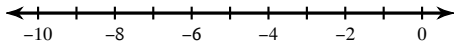
Algebra 1 Name_____ ID: 1

Assignment

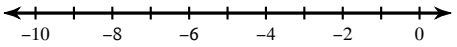
Date_____ Period____

Solve each inequality and graph its solution.

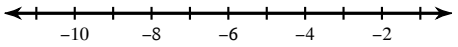
1) $-12 > 2x + 2 + 5x$



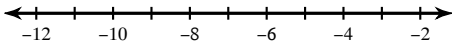
2) $a - 5 - 5 > -16$



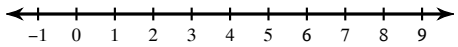
3) $-19 \leq 1 + 2k + 3k$



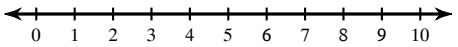
4) $-21 \geq 4r - 2 + 5$



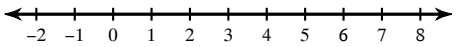
5) $5b - 5 - 4 < 1$



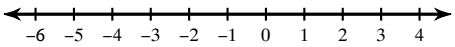
6) $9 > 7a - 5 - 7$



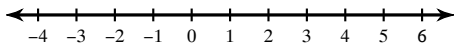
7) $-6v - 2v \leq -8$



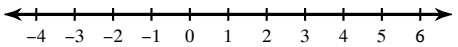
8) $3n + 8n \geq -11$



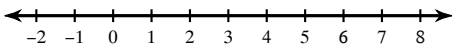
9) $7k + 6k < -13$



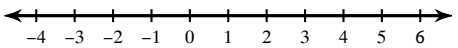
10) $-v + 8v \leq 7$



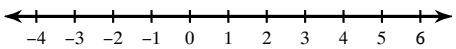
11) $6 - 5r - 8 < -22$



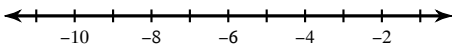
12) $9 > 6 - 7x + 8x$



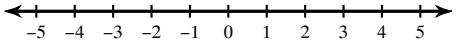
13) $-7x + 5 - 3x < -5$



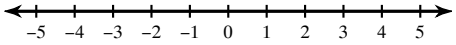
14) $-19 \geq 4a - 2 + 3$



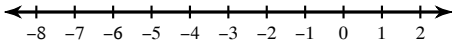
15) $-12 > 2n - 6n$



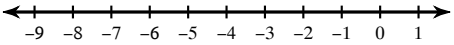
16) $4 + 4x + 5 < 17$



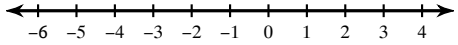
17) $8x - 8 - 4 > -12$



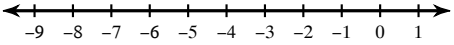
18) $5x + 6x > -22$



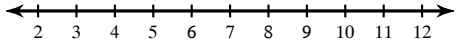
19) $-12 > 3 + 6r + 3$



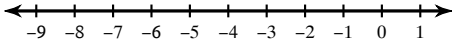
20) $-10 < p + 4p$



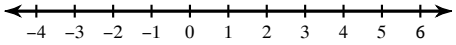
21) $4 - 5 + 2b - 3 \le 8b - 7b$



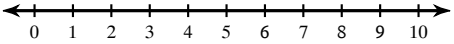
22) $4 - 4r \le -10 - 6r$



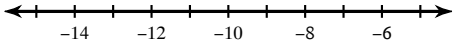
23) $-1 + 6n \ge -11 + n$



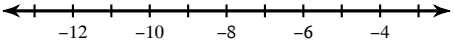
24) $10 + 1 + 5p - 5p < 3p - 7$



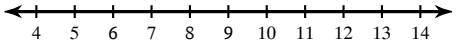
25) $1 + m - 3m < 9 - m$



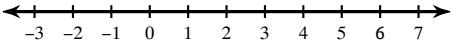
26) $14 - 4p \ge -7p - 4$



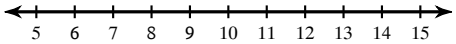
27) $-2 - 6b \le -5b - 8$



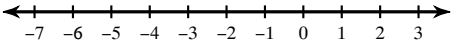
28) $-13 + v - 7 - 3v \ge 7 - 7v - 7$



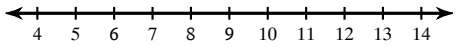
29) $-4 + 3b \ge 2b + 4$



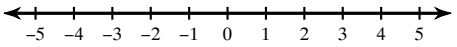
30) $1 + 2x + 6 \ge 3 + x$



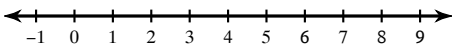
31) $-6 + a + 3 + a > a + 3$



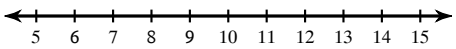
32) $-4 - x < 2 + x$



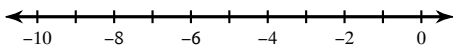
33) $-3n - 2n > -8 + 3n$



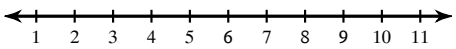
34) $b - 8 - 3 < 13 - 2b$



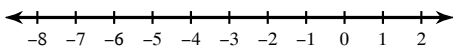
35) $5 - 2r + 5r > 2r - 3$



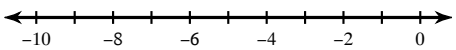
36) $-2b + 5 - 5 \geq -14 - 6b + 6b$



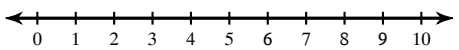
37) $-1 + 3x < 5x - 1$



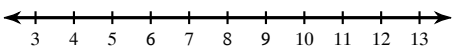
38) $k + 8 + 6 < -k + 2$



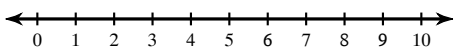
39) $r - 5 - 5r < -2r - 11$



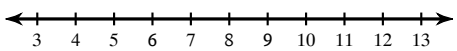
40) $3x - 13 \geq x - 1$



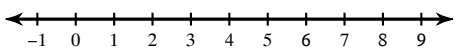
41) $-234 > 6(1 - 8a)$



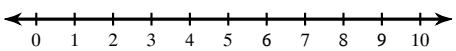
42) $-143 < 4(1 - 4r) - 5r$



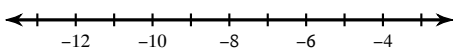
43) $-7(r + 7) \leq -84$



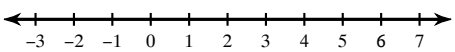
44) $-3(4n + 3) \geq -105$



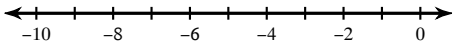
45) $-6(n - 7) < 84$



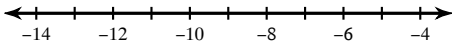
46) $8(1 - 5n) \leq -112$



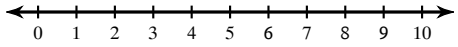
47) $3(p-3)+8p>-86$



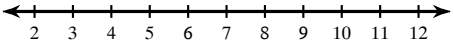
48) $81<3(6-3r)$



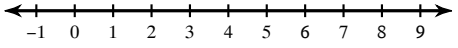
49) $151>1+3(8x-6)$



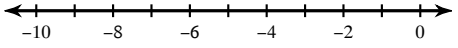
50) $-171\geq 3(-7n-1)$



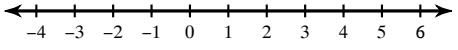
51) $-28-8n>-4(5n+1)+8n$



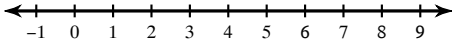
52) $2(-4+5k)<-32+7k$



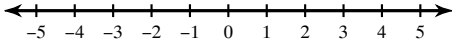
53) $10-5n\geq -2-4(-3+4n)$



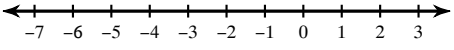
54) $-3(n+8)\geq 5n-40$



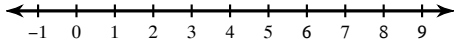
55) $-3r-36<6(8r-6)$



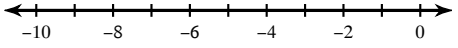
56) $-30+3r\leq 6(5r+6)+6r$



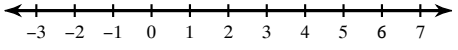
57) $2n-29\leq -(6n+8)+5n$



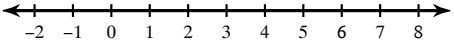
58) $6(2+2n)+7n<-10+8n$



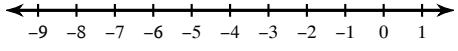
59) $2+8x\geq -(1-5x)$



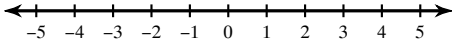
60) $8(-6+x)\geq -33+5x$



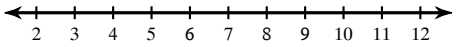
61) $-11>5(2n+6)-(n-4)$



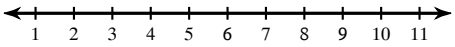
62) $-8(5n-8)+5(n+2)\geq 74$



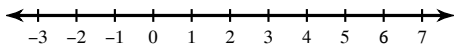
63) $50 \le 7(x + 1) - (x - 1)$



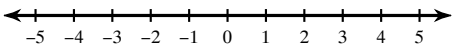
64) $7(6 - 3x) + 3(x - 1) < -69$



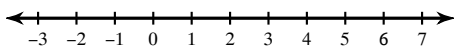
65) $-36 \le -6(2p + 7) - 6(p - 1)$



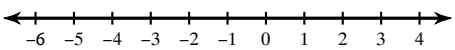
66) $-4(8n - 8) - 6(7 + 5n) \le -72$



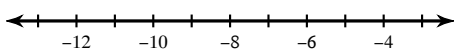
67) $50 > -4(-3 - 5a) + 6(a + 2)$



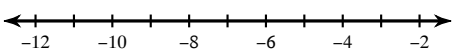
68) $-8(8k - 8) + 7(1 + 3k) < 28$



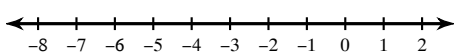
69) $4(6 + 2a) + 3(3a + 3) < -69$



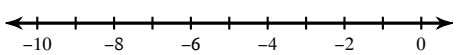
70) $0 > -6(6 + r) + 4(r + 7)$



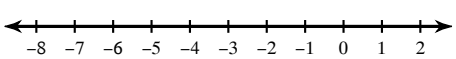
71) $7k - 2k < 6(k - 6) - 6(k - 6)$



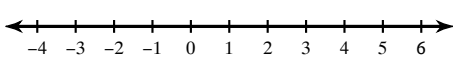
72) $-2(1 - 4p) - 8p \ge -2(-5 - 3p)$



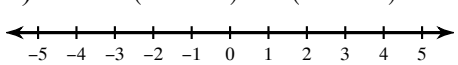
73) $7n - 3(7 - 4n) < 8(1 + 7n) + 8$



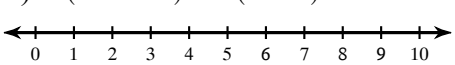
74) $-(6 - b) > 4 - 4(1 - b)$



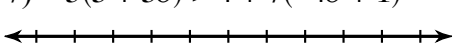
75) $-2 - 8(8m - 1) \ge 6(1 + 2m)$



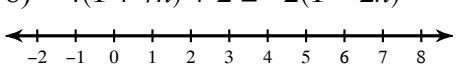
76) $-(-1 + 5x) \le -(1 + x) - 3x$



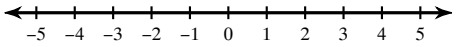
77) $-5(3 + 3b) > 4 + 7(-4b + 1)$



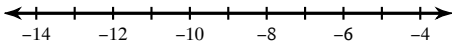
78) $-4(1 + 7n) + 2 \ge -2(1 - 2n)$



79) $8(5a - 2) \geq 4(5 + a)$



80) $-6x + x < -4(2 + 6x) - 8(2 - 2x)$



Algebra 1 Name_____ ID: 1

Assignment

Date_____ Period____

Solve each inequality and graph its solution.

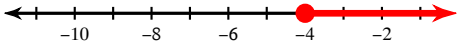
1) $-12 > 2x + 2 + 5x$

$x < -2$

2) $a - 5 - 5 > -16$

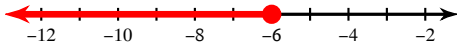
$a > -6$

3) $-19 \leq 1 + 2k + 3k$



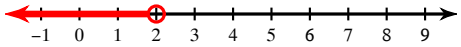
$k \geq -4$

4) $-21 \geq 4r - 2 + 5$



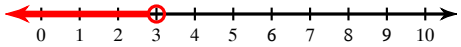
$r \leq -6$

5) $5b - 5 - 4 < 1$



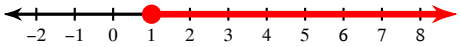
$b < 2$

6) $9 > 7a - 5 - 7$



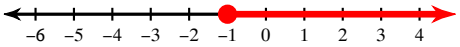
$a < 3$

7) $-6v - 2v \leq -8$



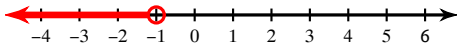
$v \geq 1$

8) $3n + 8n \geq -11$



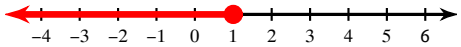
$n \geq -1$

9) $7k + 6k < -13$



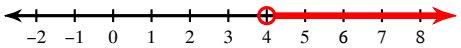
$k < -1$

10) $-v + 8v \leq 7$



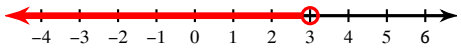
$v \leq 1$

11) $6 - 5r - 8 < -22$



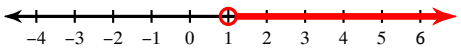
$r > 4$

12) $9 > 6 - 7x + 8x$



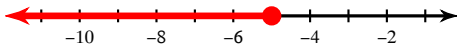
$x < 3$

13) $-7x + 5 - 3x < -5$



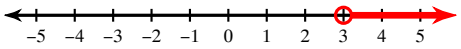
$x > 1$

14) $-19 \geq 4a - 2 + 3$



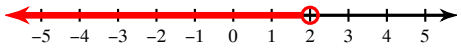
$a \leq -5$

15) $-12 > 2n - 6n$



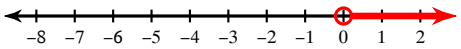
$n > 3$

16) $4 + 4x + 5 < 17$



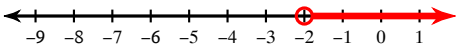
$x < 2$

17) $8x - 8 - 4 > -12$



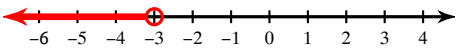
$x > 0$

18) $5x + 6x > -22$



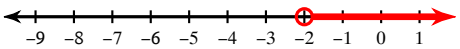
$x > -2$

19) $-12 > 3 + 6r + 3$



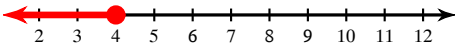
$r < -3$

20) $-10 < p + 4p$



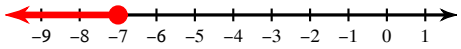
$p > -2$

21) $4 - 5 + 2b - 3 \leq 8b - 7b$



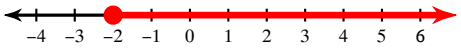
$b \leq 4$

22) $4 - 4r \leq -10 - 6r$



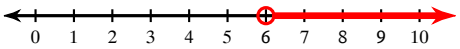
$r \leq -7$

23) $-1 + 6n \geq -11 + n$



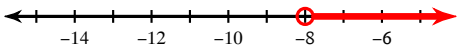
$n \geq -2$

24) $10 + 1 + 5p - 5p < 3p - 7$



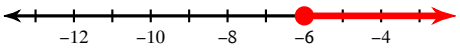
$p > 6$

25) $1 + m - 3m < 9 - m$



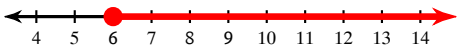
$m > -8$

26) $14 - 4p \geq -7p - 4$



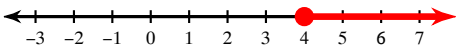
$p \geq -6$

27) $-2 - 6b \leq -5b - 8$



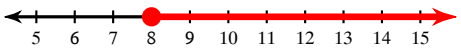
$b \geq 6$

28) $-13 + v - 7 - 3v \geq 7 - 7v - 7$



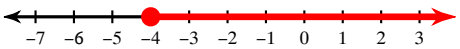
$v \geq 4$

29) $-4 + 3b \geq 2b + 4$



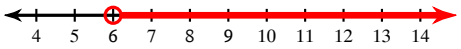
$b \geq 8$

30) $1 + 2x + 6 \geq 3 + x$



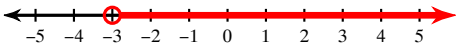
$x \geq -4$

31) $-6 + a + 3 + a > a + 3$



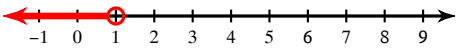
$a > 6$

32) $-4 - x < 2 + x$



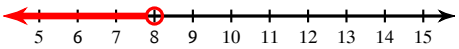
$x > -3$

33) $-3n - 2n > -8 + 3n$



$n < 1$

34) $b - 8 - 3 < 13 - 2b$

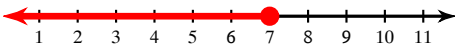


$b < 8$

35) $5 - 2r + 5r > 2r - 3$

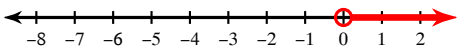
$r > -8$

36) $-2b + 5 - 5 \geq -14 - 6b + 6b$



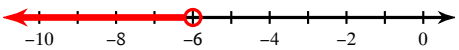
$b \leq 7$

37) $-1 + 3x < 5x - 1$



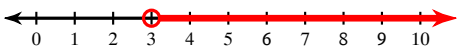
$x > 0$

38) $k + 8 + 6 < -k + 2$



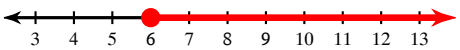
$k < -6$

39) $r - 5 - 5r < -2r - 11$



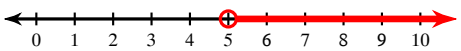
$r > 3$

40) $3x - 13 \geq x - 1$



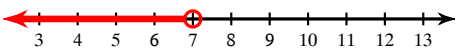
$x \geq 6$

41) $-234 > 6(1 - 8a)$



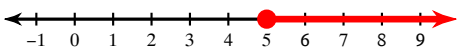
$a > 5$

42) $-143 < 4(1 - 4r) - 5r$



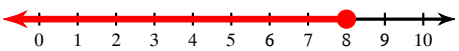
$r < 7$

43) $-7(r + 7) \leq -84$



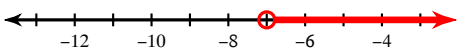
$r \geq 5$

44) $-3(4n + 3) \geq -105$



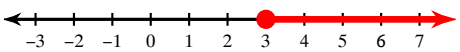
$n \leq 8$

45) $-6(n - 7) < 84$



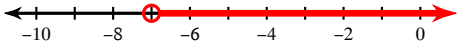
$n > -7$

46) $8(1 - 5n) \leq -112$



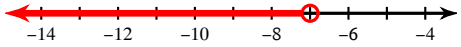
$n \geq 3$

47) $3(p-3)+8p>-86$



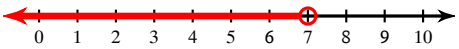
$p>-7$

48) $81<3(6-3r)$



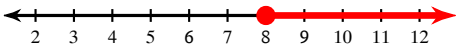
$r<-7$

49) $151>1+3(8x-6)$



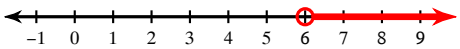
$x<7$

50) $-171\geq 3(-7n-1)$



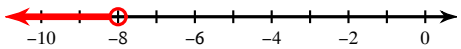
$n\geq 8$

51) $-28-8n>-4(5n+1)+8n$



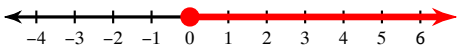
$n>6$

52) $2(-4+5k)<-32+7k$



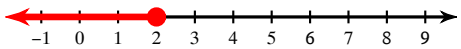
$k<-8$

53) $10-5n\geq -2-4(-3+4n)$



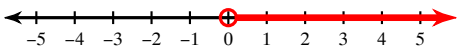
$n\geq 0$

54) $-3(n+8)\geq 5n-40$



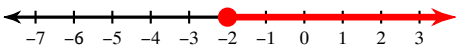
$n\leq 2$

55) $-3r-36<6(8r-6)$



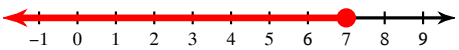
$r>0$

56) $-30+3r\leq 6(5r+6)+6r$



$r\geq -2$

57) $2n-29\leq -(6n+8)+5n$

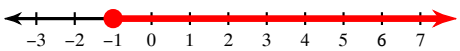


$n\leq 7$

58) $6(2+2n)+7n<-10+8n$

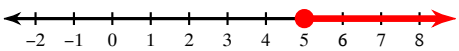
$n<-2$

59) $2+8x\geq -(1-5x)$



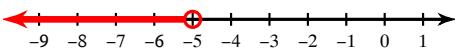
$x\geq -1$

60) $8(-6+x)\geq -33+5x$



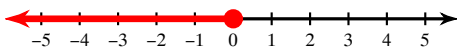
$x\geq 5$

61) $-11>5(2n+6)-(n-4)$



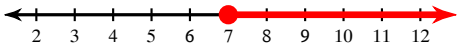
$n<-5$

62) $-8(5n-8)+5(n+2)\geq 74$



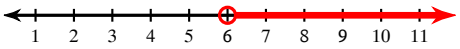
$n\leq 0$

63) $50 \le 7(x+1) - (x-1)$



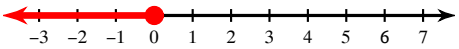
$x \ge 7$

64) $7(6-3x) + 3(x-1) < -69$



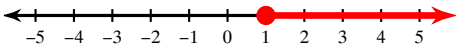
$x > 6$

65) $-36 \le -6(2p+7) - 6(p-1)$



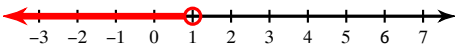
$p \le 0$

66) $-4(8n-8) - 6(7+5n) \le -72$



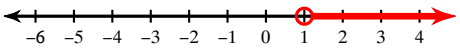
$n \ge 1$

67) $50 > -4(-3-5a) + 6(a+2)$



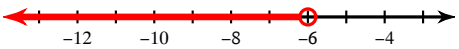
$a < 1$

68) $-8(8k-8) + 7(1+3k) < 28$



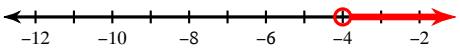
$k > 1$

69) $4(6+2a) + 3(3a+3) < -69$



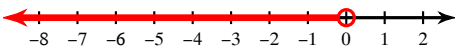
$a < -6$

70) $0 > -6(6+r) + 4(r+7)$



$r > -4$

71) $7k - 2k < 6(k-6) - 6(k-6)$

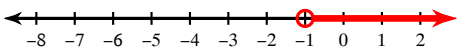


$k < 0$

72) $-2(1-4p) - 8p \ge -2(-5-3p)$

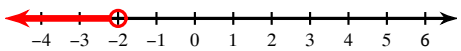
$p \le -2$

73) $7n - 3(7-4n) < 8(1+7n) + 8$



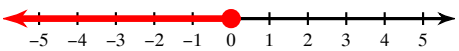
$n > -1$

74) $-(6-b) > 4 - 4(1-b)$



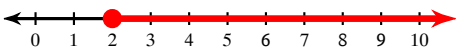
$b < -2$

75) $-2 - 8(8m-1) \ge 6(1+2m)$



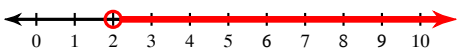
$m \le 0$

76) $-(-1+5x) \le -(1+x) - 3x$



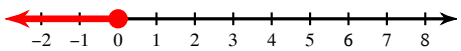
$x \ge 2$

77) $-5(3+3b) > 4 + 7(-4b+1)$



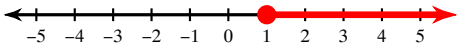
$b > 2$

78) $-4(1+7n) + 2 \ge -2(1-2n)$



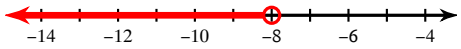
$n \le 0$

79) $8(5a - 2) \geq 4(5 + a)$



$a \geq 1$

80) $-6x + x < -4(2 + 6x) - 8(2 - 2x)$



$x < -8$