

T-A1 Algebra 1

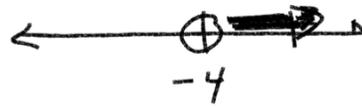
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1.) $x \geq 3$



Handwritten scribbles

2.) $-4 < x$

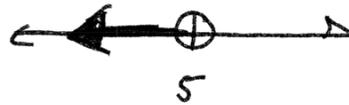


$> <$
 $\geq \leq$
●

3.) $8 \geq x$



Σ 4.) $x < 5$



1.) $x + 4 > 9$
 $-4 \quad -4$
 $x > 5$



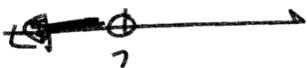
2.) $18 \leq x - 3$
 $+3 \quad +3$

$21 \leq x$

$x \geq 21$



3.) $\frac{5x}{5} < \frac{35}{5}$
 $x < 7$

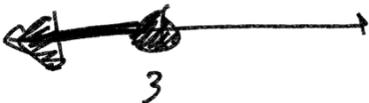


4.) $(-2) \left(\frac{x}{-2} \right) \geq (7) (-2)$

$x \leq -14$



5.) $\frac{-9x}{-9} \geq \frac{-27}{-9}$
 $x \leq 3$



6.) $\left(\frac{x}{4} \right) < (-6) 4$

$x < -24$



$$1.) -21 \geq 4x - 2 + 5$$

$$\begin{array}{r} -21 \geq 4x + 3 \\ -3 \qquad -3 \end{array}$$

$$\frac{-24}{4} \geq \frac{4x}{4}$$

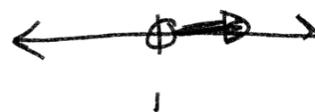
$$-6 \geq x$$



$$2.) -7x + 5 - 3x < -5$$

$$\begin{array}{r} -10x + 5 < -5 \\ -5 \quad -5 \end{array} \quad x > 1$$

$$\frac{-10x}{-10} < \frac{-10}{-10}$$



$$3.) -4 + 3x \geq 2x + 8$$

$$\begin{array}{r} -4 + x \geq 8 \\ +4 \qquad +4 \end{array}$$

$$x \geq 12$$



$$4.) -3(4x + 3) \geq -105$$

$$\begin{array}{r} -12x - 9 \geq -105 \\ +9 \quad +9 \end{array}$$

$$x \leq 8$$

$$\frac{-12x}{-12} \geq \frac{-96}{-12}$$



$$5.) \quad -30 + 3x \leq 6(5x+6) + 6x$$

$$-30 + 3x \leq \underbrace{30x + 36 + 6x}$$

$$\begin{array}{r} -30 + 3x \leq 36x + 36 \\ -36 \qquad \qquad -36 \end{array}$$

$$\begin{array}{r} -66 + 3x \leq 36x \\ -3x \qquad -3x \end{array}$$

$$\begin{array}{r} -66 \leq 33x \\ \hline 33 \qquad 33 \end{array}$$

$$-2 \leq x$$

