Algebra 2

Assignment

Evaluate each using the values given.

1) $6^2 - \left(y - -\dfrac{2}{2}\right) - z$; use $y = 5$, and $z = 2$

2) $z + \dfrac{z}{6} + \left(\dfrac{x}{5}\right)^2$; use $x = 5$, and $z = 6$

3) $y + 6 + \dfrac{z + x - y}{6}$; use $x = -1$, $y = -1$, and $z = 6$

4) $-3z - (y - y - 3x)$; use $x = -4$, $y = 5$, and $z = 4$

5) $\dfrac{pq}{3}(-4 + 6 + p)$; use $p = -5$, and $q = -3$

6) $y + \dfrac{x}{6} + z^2 + 2$; use $x = -6$, $y = 6$, and $z = -5$

7) $hj(k - j) + j + 6$; use $h = -1$, $j = 3$, and $k = 3$

8) $y - z + y(z + z) - 3$; use $y = 4$, and $z = 1$

9) $\dfrac{-2 - (m + m)}{2} + p + p$; use $m = 6$, and $p = 6$

10) $n - 3n - \dfrac{6}{6} - p$; use $n = 5$, and $p = -1$

11) $z + x - \left(-4 + \dfrac{z}{2}\right) + x$; use $x = -6$, and $z = -2$

12) $\dfrac{n^2}{5} + \dfrac{p}{6} + 4$; use $n = 5$, and $p = 6$

13) $y - (y - 3 - 6 - x - z)$; use $x = 1$, $y = -4$, and $z = 6$

14) $\dfrac{-15 + y^3 - z}{4}$; use $y = -1$, and $z = 4$

15) $x - \dfrac{-2y^2 + y}{5}$; use $x = -1$, and $y = -5$

16) $q + p + p - 6 + 6q$; use $p = 2$, and $q = 3$

17) $\dfrac{2z}{4} + x + zx$; use $x = 5$, and $z = -4$

18) $-\dfrac{2y}{4} + (x - y)^2$; use $x = -4$, and $y = -2$

19) $\dfrac{y}{6} + 5 - (z + y) - x$; use $x = -2$, $y = 6$, and $z = 5$

20) $5x - 2y - \dfrac{2}{2}$; use $x = -2$, and $y = 4$

21) $yx \cdot -\dfrac{2}{2}(x - y)$; use $x = -3$, and $y = 3$

22) $-3 + h + 3 + k + j + h$; use $h = 5$, $j = 5$, and $k = 1$

23) $2pm\left(-1 - \dfrac{n}{4}\right)$; use $m = -4$, $n = 4$, and $p = 2$

24) $2 + x - y - 5(z + x)$; use $x = 3$, $y = -6$, and $z = 2$

25) $(y + 1)^3(x - (2 + x))$; use $x = 3$, and $y = 1$

26) $x\left(-\dfrac{6}{6} - x(x + y)\right)$; use $x = -1$, and $y = -6$

27) $x^2 - y^2 - yz$; use $x = -6$, $y = -6$, and $z = -6$

28) $-(6 + q - q) - (2 + p)$; use $p = -2$, and $q = 3$

29) $x(x + x) + 1 - (z - z)$; use $x = -2$, and $z = -3$

30) $q^2p\left(-3 + \dfrac{3}{3}\right)$; use $p = 4$, and $q = -1$

31) $2 + 4 + p + 3 - \dfrac{r}{2}$; use $p = -5$, and $r = -2$

32) $\frac{k}{3} - \left((h + h)^2 - j\right)$; use $h = -3$, $j = 1$, and $k = 3$

33) $\frac{y}{5} - 2\left(\frac{x}{6} - x\right)$; use $x = -6$, and $y = 5$

34) $-24 - z + z \cdot \frac{x}{2}$; use $x = -2$, and $z = -4$

35) $\frac{5}{5} - (-3qm - q)$; use $m = -6$, and $q = -1$

36) $-5y\left(x + (y + x)^2\right)$; use $x = -2$, and $y = 4$

37) $\frac{k}{4} + 4 - 3(h - h)$; use $h = 2$, and $k = 4$

38) $\frac{1 - j(k + j - j)}{2}$; use $j = 3$, and $k = -3$

39) $x^3 - x + x + y - x$; use $x = -3$, and $y = 2$

40) $b - \left(\frac{c}{4} + a - b + 5\right)$; use $a = 2$, $b = 2$, and $c = -4$

41) $y(-4 + x)\left(-\frac{2}{2} + z\right)$; use $x = -4$, $y = -1$, and $z = -4$

42) $x\left(y^3 - (-6x + z)\right)$; use $x = 4$, $y = -2$, and $z = 3$

43) $q - (rp - r + q - p)$; use $p = 5$, $q = 6$, and $r = 6$

44) $q + p - \frac{p}{3} - r - r$; use $p = 3$, $q = -3$, and $r = 5$

45) $x + \dfrac{3 + z - y^2}{4}$; use $x = -5$, $y = -1$, and $z = 2$

46) $a - c - 1 + 6 + a^2$; use $a = -2$, and $c = -5$

47) $x \cdot \dfrac{xy + 4x}{2}$; use $x = -1$, and $y = 6$

48) $p - q + 4 + p^2 - m$; use $m = 2$, $p = -6$, and $q = 1$

49) $x^2 - x - xz + y$; use $x = -2$, $y = 4$, and $z = 3$

50) $(-6 + 6)(p + p) - 5r$; use $p = 6$, and $r = -5$

Algebra 2   Name_____ ID: 1

Assignment
                                                   Date_____ Period____

Evaluate each using the values given.

1) $6^2 - \left(y - -\dfrac{2}{2}\right) - z$; use $y = 5$, and $z = 2$

    28

2) $z + \dfrac{z}{6} + \left(\dfrac{x}{5}\right)^2$; use $x = 5$, and $z = 6$

    8

3) $y + 6 + \dfrac{z + x - y}{6}$; use $x = -1$, $y = -1$, and $z = 6$

    6

4) $-3z - (y - y - 3x)$; use $x = -4$, $y = 5$, and $z = 4$

    -24

5) $\dfrac{pq}{3}(-4 + 6 + p)$; use $p = -5$, and $q = -3$

    -15

6) $y + \dfrac{x}{6} + z^2 + 2$; use $x = -6$, $y = 6$, and $z = -5$

    32

7) $hj(k - j) + j + 6$; use $h = -1$, $j = 3$, and $k = 3$

    9

8) $y - z + y(z + z) - 3$; use $y = 4$, and $z = 1$

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9) $\dfrac{-2 - (m + m)}{2} + p + p$; use $m = 6$, and $p = 6$

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10) $n - 3n - \dfrac{6}{6} - p$; use $n = 5$, and $p = -1$

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11) $z + x - \left(-4 + \dfrac{z}{2}\right) + x$; use $x = -6$, and $z = -2$

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12) $\dfrac{n^2}{5} + \dfrac{p}{6} + 4$; use $n = 5$, and $p = 6$

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14) $\dfrac{-15 + y^3 - z}{4}$; use $y = -1$, and $z = 4$

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18) $-\frac{2y}{4} + (x - y)^2$; use $x = -4$, and $y = -2$

5

19) $\frac{y}{6} + 5 - (z + y) - x$; use $x = -2$, $y = 6$, and $z = 5$

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20) $5x - 2y - \frac{2}{2}$; use $x = -2$, and $y = 4$

-19

21) $yx \cdot -\frac{2}{2}(x - y)$; use $x = -3$, and $y = 3$

-54

22) $-3 + h + 3 + k + j + h$; use $h = 5$, $j = 5$, and $k = 1$

16

23) $2pm\left(-1 - \frac{n}{4}\right)$; use $m = -4$, $n = 4$, and $p = 2$

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24) $2 + x - y - 5(z + x)$; use $x = 3$, $y = -6$, and $z = 2$

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25) $(y + 1)^3(x - (2 + x))$; use $x = 3$, and $y = 1$

-16

26) $x\left(-\frac{6}{6} - x(x + y)\right)$; use $x = -1$, and $y = -6$

8

27) $x^2 - y^2 - yz$; use $x = -6$, $y = -6$, and $z = -6$

-36

28) $-(6 + q - q) - (2 + p)$; use $p = -2$, and $q = 3$

-6

29) $x(x + x) + 1 - (z - z)$; use $x = -2$, and $z = -3$

9

30) $q^2 p\left(-3 + \frac{3}{3}\right)$; use $p = 4$, and $q = -1$

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−34

33) $\frac{y}{5} - 2\left(\frac{x}{6} - x\right)$; use $x = -6$, and $y = 5$

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34) $-24 - z + z \cdot \frac{x}{2}$; use $x = -2$, and $z = -4$

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35) $\frac{5}{5} - (-3qm - q)$; use $m = -6$, and $q = -1$

18

36) $-5y\left(x + (y + x)^2\right)$; use $x = -2$, and $y = 4$

−40

37) $\frac{k}{4} + 4 - 3(h - h)$; use $h = 2$, and $k = 4$

5

38) $\frac{1 - j(k + j - j)}{2}$; use $j = 3$, and $k = -3$

5

39) $x^3 - x + x + y - x$; use $x = -3$, and $y = 2$

−22

40) $b - \left(\frac{c}{4} + a - b + 5\right)$; use $a = 2$, $b = 2$, and $c = -4$

−2

41) $y(-4 + x)\left(-\frac{2}{2} + z\right)$; use $x = -4$, $y = -1$, and $z = -4$

−40

42) $x\left(y^3 - (-6x + z)\right)$; use $x = 4$, $y = -2$, and $z = 3$

52

43) $q - (rp - r + q - p)$; use $p = 5$, $q = 6$, and $r = 6$

−19

44) $q + p - \frac{p}{3} - r - r$; use $p = 3$, $q = -3$, and $r = 5$

−11

45) $x + \dfrac{3 + z - y^2}{4}$; use $x = -5$, $y = -1$, and $z = 2$

−4

46) $a - c - 1 + 6 + a^2$; use $a = -2$, and $c = -5$

12

47) $x \cdot \dfrac{xy + 4x}{2}$; use $x = -1$, and $y = 6$

5

48) $p - q + 4 + p^2 - m$; use $m = 2$, $p = -6$, and $q = 1$

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49) $x^2 - x - xz + y$; use $x = -2$, $y = 4$, and $z = 3$

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