ACP Algebra 1 Extended

Name_____

2.1-2.3 Quiz Review Problems

Solve each equation.

1) $-11 - a = -9$

2) $26 = -4r - 6$

3) $4k + \dfrac{4}{5} = \dfrac{404}{5}$

4) $-\dfrac{7}{9}x = -\dfrac{1}{3}$

5) $-10(2 + v) = -20$

6) $3 = \dfrac{-4 + n}{5}$

7) $\dfrac{m}{4} + 8 = 4$

8) $-24 = -6 + 4x - 6$

9) $3a + 8a = 11$

10) $222 = 7(1 - 6x) - x$

11) $-4(6x + 8) = -200$

12) $242 = 2k - (4 + 8k)$

13) $-(6 - 6a) + 6(-4 - a) = -30$

14) $-52 = -3(-6b + 1) + 7(b - 7)$

15) $-1 = 7(n - 2) - 7(n + 2)$

16) $-\dfrac{1}{2} - \dfrac{2}{3}x = -\dfrac{19}{12}$

Name_____

2.1-2.3 Quiz Review Problems

Solve each equation.

1) $-11 - a = -9$

$\{-2\}$

2) $26 = -4r - 6$

$\{-8\}$

3) $4k + \dfrac{4}{5} = \dfrac{404}{5}$

$\{20\}$

4) $-\dfrac{7}{9}x = -\dfrac{1}{3}$

$\left\{\dfrac{3}{7}\right\}$

5) $-10(2 + v) = -20$

$\{0\}$

6) $3 = \dfrac{-4 + n}{5}$

$\{19\}$

7) $\dfrac{m}{4} + 8 = 4$

$\{-16\}$

8) $-24 = -6 + 4x - 6$

$\{-3\}$

9) $3a + 8a = 11$

$\{1\}$

10) $222 = 7(1 - 6x) - x$

$\{-5\}$

11) $-4(6x + 8) = -200$

$\{7\}$

12) $242 = 2k - (4 + 8k)$

$\{-41\}$

13) $-(6 - 6a) + 6(-4 - a) = -30$

{ All real numbers. }

14) $-52 = -3(-6b + 1) + 7(b - 7)$

$\{0\}$

15) $-1 = 7(n - 2) - 7(n + 2)$

No solution.

16) $-\dfrac{1}{2} - \dfrac{2}{3}x = -\dfrac{19}{12}$

$\left\{\dfrac{13}{8}\right\}$