

Problem Set 2: Two-Step Equations

Two-Step Equations

Solve each equation.

1) $6 = \frac{a}{4} + 2$

2) $-6 + \frac{x}{4} = -5$

3) $9x - 7 = -7$

4) $0 = 4 + \frac{n}{5}$

5) $-4 = \frac{r}{20} - 5$

6) $-1 = \frac{5 + x}{6}$

7) $\frac{v + 9}{3} = 8$

8) $2(n + 5) = -2$

9) $-9x + 1 = -80$

10) $-6 = \frac{n}{2} - 10$

11) $-2 = 2 + \frac{v}{4}$

12) $144 = -12(x + 5)$

Problem Set 2: Two-Step Equations

Answers

Solve each equation.

$$1) 6 = \frac{a}{4} + 2$$

{16}

$$2) -6 + \frac{x}{4} = -5$$

{4}

$$3) 9x - 7 = -7$$

{0}

$$4) 0 = 4 + \frac{n}{5}$$

{-20}

$$5) -4 = \frac{r}{20} - 5$$

{20}

$$6) -1 = \frac{5+x}{6}$$

{-11}

$$7) \frac{v+9}{3} = 8$$

{15}

$$8) 2(n+5) = -2$$

{-6}

$$9) -9x + 1 = -80$$

{9}

$$10) -6 = \frac{n}{2} - 10$$

{8}

$$11) -2 = 2 + \frac{v}{4}$$

{-16}

$$12) 144 = -12(x+5)$$

{-17}

Problem Set 2: Two-Step Equations

Two-Step Equations

Solve each equation.

13) $-15 = -4m + 5$

14) $10 - 6v = -104$

15) $8n + 7 = 31$

16) $-9x - 13 = -103$

17) $\frac{n + 5}{-16} = -1$

18) $-10 = -10 + 7m$

19) $-10 = 10(k - 9)$

20) $\frac{m}{9} - 1 = -2$

21) $9 + 9n = 9$

22) $7(9 + k) = 84$

23) $8 + \frac{b}{-4} = 5$

24) $-243 = -9(10 + x)$

Problem Set 2: Two-Step Equations

Answers

$$13) -15 = -4m + 5$$

{5}

$$14) 10 - 6v = -104$$

{19}

$$15) 8n + 7 = 31$$

{3}

$$16) -9x - 13 = -103$$

{10}

$$17) \frac{n+5}{-16} = -1$$

{11}

$$18) -10 = -10 + 7m$$

{0}

$$19) -10 = 10(k - 9)$$

{8}

$$20) \frac{m}{9} - 1 = -2$$

{-9}

$$21) 9 + 9n = 9$$

{0}

$$22) 7(9 + k) = 84$$

{3}

$$23) 8 + \frac{b}{-4} = 5$$

{12}

$$24) -243 = -9(10 + x)$$

{17}