Problem Set 4: Mostly Two-Step Equations

Solve each equation.

1) $9c + 1 = 10$

2) $6y - 5 = 7$

3) $8 = 3a - 4$

4) $\frac{m}{5} + 9 = 11$

5) $13 + 7x = 27$

6) $17 - q = 6$

7) $\frac{n - 31}{4} = 2$

8) $1 + 2r = 35$

9) $42 + 5t = 8t$

10) $4p - 3 = 17$

Problem Set 4: Mostly Two-Step Equations

Answers

1) $9c + 1 = 10$

$c = 1$

2) $6y - 5 = 7$

$y = 2$

3) $8 = 3a - 4$

$a = 4$

4) $\frac{m}{5} + 9 = 11$

$m = 10$

5) $13 + 7x = 27$

$x = 2$

6) $17 - q = 6$

$q = 11$

7) $\frac{n - 31}{4} = 2$

$n = 39$

8) $1 + 2r = 35$

$r = 17$

9) $42 + 5t = 8t$

$t = 14$

10) $4p - 3 = 17$

$p = 5$

Problem Set 4: Mostly Two-Step Equations

Solve each equation.

1) $12 = 18 - d$

2) $5b + 10 = 30$

3) $\frac{s-4}{3} = 2$

4) $2k - 47 = 3$

5) $39 - 9u = 4u$

6) $43 = 6v + 1$

7) $6 + 7p = 34$

8) $9 = \frac{8c + 15}{c}$

9) $\frac{w}{6} - 7 = 0$

10) $5m = 3m + 16$

Problem Set 4: Mostly Two-Step Equations

Answers

1) $12 = 18 - d$

$d = 6$

2) $5b + 10 = 30$

$b = 4$

3) $\frac{s-4}{3} = 2$

$s = 10$

4) $2k - 47 = 3$

$k = 25$

5) $39 - 9u = 4u$

$u = 3$

6) $43 = 6v + 1$

$v = 7$

7) $6 + 7p = 34$

$p = 4$

8) $9 = \frac{8c + 15}{c}$

$c = 15$

9) $\frac{w}{6} - 7 = 0$

$w = 42$

10) $5m = 3m + 16$

$m = 8$

Problem Set 4: Mostly Two-Step Equations

Solve each equation.

1) $\frac{t+28}{3} = 11$

2) $13d + 2 = 15d$

3) $35 - 4y = y$

4) $5 + 6r = 29$

5) $\frac{c}{2} - 3 = 1$

6) $\frac{u-6}{8} = 0$

7) $3s - 17 = 19$

8) $14 - 2p = 5p$

9) $\frac{20n+9}{n} = 21$

10) $26 = 22 + \frac{v}{7}$

Problem Set 4: Mostly Two-Step Equations

Answers

1) $\frac{t+28}{3} = 11$

$t = 5$

2) $13d + 2 = 15d$

$d = 1$

3) $35 - 4y = y$

$y = 7$

4) $5 + 6r = 29$

$r = 4$

5) $\frac{c}{2} - 3 = 1$

$c = 8$

6) $\frac{u-6}{8} = 0$

$u = 6$

7) $3s - 17 = 19$

$s = 12$

8) $14 - 2p = 5p$

$p = 2$

9) $\frac{20n+9}{n} = 21$

$n = 9$

10) $26 = 22 + \frac{v}{7}$

$v = 28$