

Name : _____

Solving Two-Step Equations Worksheet

Find the value of the unknown variable in each equation.

1 $2(x + 2) = -8$

2 $\frac{4}{q}(q - 10) = 8$

3 $2(w + 3) = 14$

4 $3b + 4 = -31$

5 $5(5p - 1) = 20$

6 $\frac{1}{6}(b + 12) = -4$

7 $4 + \frac{2}{5}r = -4$

8 $-9 = -9(t + 1)$

9 $\frac{m}{2} + 7 = 2$

10 $\frac{c+14}{3} = -12$

Name : _____

Solving Two-Step Equations Worksheet

Answers

1 $2(x + 2) = -8$

$x = -6$

2 $\frac{4}{q}(q - 10) = 8$

$q = -10$

3 $2(w + 3) = 14$

$w = 4$

4 $3b + 4 = -31$

$x = -6$

5 $5(5p - 1) = 20$

$p = 1$

6 $\frac{1}{6}(b + 12) = -4$

$b = -11\frac{1}{6}$

7 $4 + \frac{2}{5}r = -4$

$r = -20$

8 $-9 = -9(t + 1)$

$t = 0$

9 $\frac{m}{2} + 7 = 2$

$m = -10$

10 $\frac{c + 14}{3} = -12$

$c = 50$