

Name: \_\_\_\_\_

# Solving Multi-Step Equations

Find the unknown variable.

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

2  $12p + 6 = 4p - 12$

3  $4 = \frac{v + 2}{v + 6}$

4  $-4(8p + 4) = 24$

5  $12 + 4y = 30y - 16$

6  $\frac{-8 - 2k}{4} = -11$

7  $4x - 3 = 8x + 4$

8  $p - 1 = 5p + 3p - 8$

9  $6 = 1 - 2n + 5$

10  $-24 = -7x - 5x$

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# Solving Multi-Step Equations

## Answers

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

$x = 1$

2  $12p + 6 = 4p - 12$

$p = -2\frac{1}{4}$

3  $4 = \frac{v + 2}{v + 6}$

$v = -7\frac{1}{3}$

4  $-4(8p + 4) = 24$

$p = -\frac{5}{4}$

5  $12 + 4y = 30y - 16$

$y = 1\frac{1}{4}$

6  $\frac{-8 - 2k}{4} = -11$

$x = 18$

7  $4x - 3 = 8x + 4$

$x = -1\frac{3}{4}$

8  $p - 1 = 5p + 3p - 8$

$p = 1$

9  $6 = 1 - 2n + 5$

$n = 0$

10  $-24 = -7x - 5x$

$x = 2$