

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

Date: \_\_\_\_\_ Score: \_\_\_\_\_

## Multi-Step Equations Worksheet

Solve each equation.

1  $\frac{3}{4}x - 7 = 8$

2  $-6 = \frac{c}{-4} + 12$

3  $6 - \frac{3}{4}k = -4$

4  $\frac{v+8}{-2} = 5$

5  $3.2e + 2.6 = -23$

6  $18 = 5x + 3 + 10x$

7  $-7 - 2x = 7(x + 8)$

8  $9x - 4(-x + 7) = -16 + 9x$

9  $-8(3r - 2) = -8r + 40$

10  $10(-2 - 5n) = -30 + 10n$

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

Date: \_\_\_\_\_ Score: \_\_\_\_\_

# Multi-Step Equations Worksheet

## Answers

1  $\frac{3}{4}x - 7 = 8$

$x = 20$

2  $-6 = \frac{c}{-4} + 12$

$c = 72$

3  $6 - \frac{3}{4}k = -4$

$k = 13\frac{1}{3}$

4  $\frac{v+8}{-2} = 5$

$v = -18$

5  $3.2e + 2.6 = -23$

$e = -8$

6  $18 = 5x + 3 + 10x$

$x = 1$

7  $-7 - 2x = 7(x + 8)$

$x = -7$

8  $9x - 4(-x + 7) = -16 + 9x$

$x = 3$

9  $-8(3r - 2) = -8r + 40$

$k = -1\frac{1}{2}$

10  $10(-2 - 5n) = -30 + 10n$

$n = \frac{1}{6}$