

Name : _____

Multi-Step Equations

Sheet 1

Solve each equation. Verify your answer.

1) $\frac{-4(10 - a)}{9} = -4$

2) $-2(5x - 3) = 2(-3x + 5)$

3) $-11w + 7 + 10w = 19 + 2w$

4) $65 = 2(d + 1) + 5d$

5) $-2(3n + 6) = 3(-n + 12)$

6) $4 = \frac{12b + 8}{b + 24}$

7) $-18 + y = 6(2 - 3y + 10) + y$

8) $7(2s) - 8(s + 6) = 0$

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Answer Key

Multi-Step Equations

Sheet 1

Solve each equation. Verify your answer.

1) $\frac{-4(10 - a)}{9} = -4$

$a = 1$

2) $-2(5x - 3) = 2(-3x + 5)$

$x = -1$

3) $-11w + 7 + 10w = 19 + 2w$

$w = -4$

4) $65 = 2(d + 1) + 5d$

$d = 9$

5) $-2(3n + 6) = 3(-n + 12)$

$n = -16$

6) $4 = \frac{12b + 8}{b + 24}$

$b = 11$

7) $-18 + y = 6(2 - 3y + 10) + y$

$y = 5$

8) $7(2s) - 8(s + 6) = 0$

$s = 8$