

Name : _____

Multi-Step Equations: Integers

Level 1: S1

Solve each equation.

1) $3(x - 4) = 2(-2x + 1)$

2) $8q + 6 = 4q - 14$

3) $9 = \frac{v + 4}{v + 12}$

4) $7 - (5t - 13) = -25$

5) $-3(7p + 5) = 27$

6) $14 + 13y = 20y - 21$

7) $\frac{-8 - 3k}{2} = 11$

8) $-15b + 21 + 5b = -19$

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Answer Key

Multi-Step Equations: Integers

Level 1: S1

Solve each equation.

1) $3(x - 4) = 2(-2x + 1)$

$x = 2$

2) $8q + 6 = 4q - 14$

$q = -5$

3) $9 = \frac{v + 4}{v + 12}$

$v = -13$

4) $7 - (5t - 13) = -25$

$t = 9$

5) $-3(7p + 5) = 27$

$p = -2$

6) $14 + 13y = 20y - 21$

$y = 5$

7) $\frac{-8 - 3k}{2} = 11$

$k = -10$

8) $-15b + 21 + 5b = -19$

$b = 4$