

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

## Multi-Step Equations: Integers

Level 2: S2

Solve each equation.

1)  $5(-p - 2) = 3(-4p - 3) + 6(p + 1)$       2)  $4 = \frac{5(11 + a)}{2(2 - a)}$

3)  $2(8r - 5) = 2r$

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5)  $\frac{3(8 - 9u)}{11} = -$

$t - 8) + 7(t - 3)$

$(d + 3) = 8(-2d + 4)$

7)  $-3x - 42 + 10x + 12 = 18(x + 2)$

8)  $\frac{6(s + 10)}{7} + 2 = 2(s - 1)$

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## Answer Key

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Solve each equation.

1)  $5(-p - 2) = 3(-4p - 3) + 6(p + 1)$       2)  $4 = \frac{5(11 + a)}{2(2 - a)}$

$p = 7$

3)  $2(8r - 5) = 2r$

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$r = 2$

5)  $\frac{3(8 - 9u)}{11} = -$

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$u = \frac{2}{5}$

7)  $-3x - 42 + 10x + 12 = 18(x + 2)$

8)  $\frac{6(s + 10)}{7} + 2 = 2(s - 1)$

$x = -6$

$s = 11$