

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

## Multi-Step Equations

Mixed Review: S1

Solve each equation.

1)  $\frac{3}{2} = \frac{4}{3} + \frac{2}{3}s - 5$

2)  $-4(-2q + 8) = -6(q - 18) + 12q$

3)  $-1.7(-2r + 6.$

# PREVIEW

$\frac{4}{5}\left(x + \frac{1}{2}\right)$

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5)  $\frac{6-t}{2t+9} = -2$

$= 2.7u + 12.9$

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7)  $5.3(v - 5) = 3(1 + 3.5v) - 2.98$

8)  $10w + 6 = -3w - 21 + 10w$

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## Answer Key

### Multi-Step Equations

Mixed Review: S1

Solve each equation.

1)  $\frac{3}{2} = \frac{4}{3} + \frac{2}{3}s - 5$

2)  $-4(-2q + 8) = -6(q - 18) + 12q$

$s = \frac{31}{4}$  or  $7\frac{3}{4}$

$q = 70$

3)  $-1.7(-2r + 6)$

# PREVIEW

$\frac{4}{5}\left(x + \frac{1}{2}\right)$

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$r = 2.6$

$-3\frac{5}{13}$

5)  $\frac{6-t}{2t+9} = -2$

$= 2.7u + 12.9$

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$t = -8$

7)  $5.3(v - 5) = 3(1 + 3.5v) - 2.98$

8)  $10w + 6 = -3w - 21 + 10w$

$v = -5.1$

$w = -9$