

Name : _____

Multi-Step Equations

Mixed Review: S4

Solve each equation.

1) $\frac{4}{5}w + 6 = \frac{3}{4} + \frac{1}{4}w - 3$

2) $-7(8 + t) = 5(-t + 20) - 18$

3) $2.4(7u + 3.1)$

PREVIEW

$\frac{1}{7}\left(s + \frac{1}{2}\right)$

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5) $\frac{8 - r}{11 - 3r} = -4$

$2v + 15$

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7) $6.7(q - 9) = 8.2q - 1.5$

8) $-13m + 3 = -14m - 30 + 4m$

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Answer Key

Multi-Step Equations

Mixed Review: S4

Solve each equation.

1) $\frac{4}{5}w + 6 = \frac{3}{4} + \frac{1}{4}w - 3$

2) $-7(8 + t) = 5(-t + 20) - 18$

$w = -15$

$t = 60$

3) $2.4(7u + 3.1)$

PREVIEW

$\frac{1}{7}\left(s + \frac{1}{2}\right)$

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$u = 2.5$

$-1\frac{1}{16}$

5) $\frac{8 - r}{11 - 3r} = -4$

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$2v + 15$

$r = 4$

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7) $6.7(q - 9) = 8.2q - 1.5$

8) $-13m + 3 = -14m - 30 + 4m$

$q = -39.2$

$m = 11$