



Solving Multi Step Equations

Name _____

Score _____

MS:02

Solve each equation.

1) $3(k + 7) - \frac{6(1 - k)}{5} = -1$

2) $\frac{2(h - 4)}{7} = \frac{6(2 - h)}{5}$

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

4) $2(m - 6) + 3 = 4 - 2(5m + 1)$

5) $t + 6 - 3(t - 2) + 7 = 9 - 2(3t - 1)$

6) $-5(4y - 7) = 40$

7) $\frac{2}{3(4p + 1)} = \frac{-1}{2(3 - p)}$

8) $-6b + 14 = 1 - 8b$



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Answer key

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Solve each equation.

1) $3(k + 7) - \frac{6(1 - k)}{5} = -1$

$k = -4\frac{20}{21}$

2) $\frac{2(h - 4)}{7} = \frac{6(2 - h)}{5}$

$h = 2\frac{5}{13}$

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

$s = 2\frac{3}{5}$

4) $2(m - 6) + 3 = 4 - 2(5m + 1)$

$m = \frac{11}{12}$

5) $t + 6 - 3(t - 2) + 7 = 9 - 2(3t - 1)$

$t = -2$

6) $-5(4y - 7) = 40$

$y = -\frac{1}{4}$

7) $\frac{2}{3(4p + 1)} = \frac{-1}{2(3 - p)}$

$p = -1\frac{7}{8}$

8) $-6b + 14 = 1 - 8b$

$b = -6\frac{1}{2}$