



Solving Multi Step Equations

Name _____

Score _____

MS:01

Solve each equation.

1) $4(6 - 5t) = -56$

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

3) $\frac{6x - 5}{7} + 3 = 5x + 2$

4) $k + 3 - 5k = -2(k - (4k + 1))$

5) $2(1 - 3d) - 10 + 4(d + 3) = 7d - 6$

6) $\frac{6 - 8n + 3(2 + 5n)}{11} = 6 - n$

7) $\frac{5(z - 6)}{8} - 3(z + 4) = 2z - 1$

8) $-2g + 7 - 12 = 10 + 3g$



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Answer key

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Solve each equation.

1) $4(6 - 5t) = -56$

$t = 4$

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

$a = 8\frac{1}{5}$

3) $\frac{6x - 5}{7} + 3 = 5x + 2$

$x = \frac{2}{29}$

4) $k + 3 - 5k = -2(k - (4k + 1))$

$k = \frac{1}{10}$

5) $2(1 - 3d) - 10 + 4(d + 3) = 7d - 6$

$d = \frac{10}{9}$

6) $\frac{6 - 8n + 3(2 + 5n)}{11} = 6 - n$

$n = 3$

7) $\frac{5(z - 6)}{8} - 3(z + 4) = 2z - 1$

$z = -3\frac{13}{35}$

8) $-2g + 7 - 12 = 10 + 3g$

$g = -3$