

### Solving Multi-Step Equations

Solve each equation.

1)  $5(6p + 3) + 6p = 123$

$$\begin{array}{r} 30p + 15 + 6p \\ \hline 36p + 15 = 123 \\ -15 \quad -15 \\ \hline 36p = 108 \quad (p=3) \\ \hline \frac{36p}{36} = \frac{108}{36} \end{array}$$

2)  $7(1 - 4x) = -161$

3)  $174 = -6(1 - 4n) + 6n$

4)  $106 = -2(7n + 3)$

5)  $-7(x - 7) = 91$

6)  $-100 = -7(1 + 2x) + 5$

7)  $-8(1 + 3r) = 184$

8)  $126 = -8(3x + 6) + 6$

9)  $2 - 5(3m + 7) = -153$

10)  $-96 = 8(b - 5)$

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1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9

