

Solving Multi-Step Equations

Solve each equation.

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

$30p + 15 + 6p$

$36p + 15 = 123$
 $-15 \quad -15$

$\frac{36p}{36} = \frac{108}{36}$

$(p = 3)$

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

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