

Algebra 1+ Equations with Variables on Both Sides

Name _____

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Solve each equation. Show all work. Circle your final answer.

1) $-5p + 30 = -2(6 + 6p)$

2) $6(x - 3) = 2 + x$

3) $-5(x - 3) = -4x + 21$

4) $-3n = -3(3n - 6)$

5) $r + 1 = -5 + 3r$

6) $-2x + 3 = 1 - 4x$

$$7) \ x + 4 - 2x = 6 + x$$

$$8) \ -x + 2 = -6 - 3x$$

$$9) \ x - 2 = x - 2x$$

$$10) \ 8 - 3a = 2 + 3a$$

$$11) \ -3x = 2 - 4x$$

$$12) \ -4(2x + 2) = 4(2 - x)$$