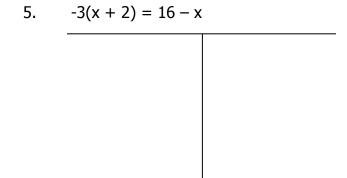
Solve each equation. Write a reason for every step.

1.
$$4x = 12x + 32$$

2.
$$28 + 12x = 8x - 4$$

3.
$$60x + 153 = 9x + 51$$

4.
$$-4x + 10 = -5x + 18$$



6.
$$-x - 2(9 - 8x) = 12$$

7.
$$6(x-6) = x(16-7)$$

8.
$$\frac{\frac{1}{4}x + 10 = 2}{}$$

9.
$$\frac{1}{6}x - 4 = -6$$

10.
$$8 - \frac{1}{7}x = 9$$

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11.
$$x^2 + 7x + 12 = 0$$

12.
$$\frac{x^2 + 4x - 12 = 0}{}$$

13.
$$x^2 + 6 = 7x$$

14.
$$x^2 - 2x = 15$$

15.
$$x^2 = 8x - 12$$

16.
$$-x^2 - 6x = 8$$