

## Solving Linear Equations: Variable on Both Sides

**Solve each equation.**

$$1) \ 6r + 7 = 13 + 7r$$

$$2) \ 13 - 4x = 1 - x$$

$$3) \ -7x - 3x + 2 = -8x - 8$$

$$4) \ -8 - x = x - 4x$$

$$5) \ -14 + 6b + 7 - 2b = 1 + 5b$$

$$6) \ n + 2 = -14 - n$$

$$7) \ n - 3n = 14 - 4n$$

$$8) \ 7a - 3 = 3 + 6a$$

$$9) \ -10 + x + 4 - 5 = 7x - 5$$

$$1) \ -8n + 4(1 + 5n) = -6n - 14$$

$$1) \ -6n - 20 = -2n + 4(1 - 3n)$$

$$1) \ 4n - 40 = 7(-2n + 2)$$

$$1) \ 7(5a - 4) - 1 = 14 - 8a$$

$$1) \ -31 - 4x = -5 - 5(1 + 5x)$$

$$1) \ 38 + 7k = 8(k + 4)$$