

$$3) 6x^2 + 1 = 121$$

$$4) -10 - 3a^2 = -310$$

Solve each equation by factoring.

$$5) x^2 - 8x + 15 = 0$$

$$6) x^2 - 8x + 7 = 0$$

$$7) p^2 + 12p + 32 = 0$$

$$8) x^2 + 2x = 0$$

Solve each equation with the quadratic formula.

$$9) 6a^2 + 8a - 25 = -3$$

$$10) 8b^2 + 11b - 11 = 6$$

Simplify each expression.

$$6s^5(-3s^4 - 2s^3 + s^2)$$

$$5b^3(4b^5 - 8b^4 + 9b^3)$$