

12.1

Quadratic Equations with Perfect Squares

Lesson

Solve

$$1) \quad 9r^2 = 121$$

Lesson

Solve

$$2) \quad (x - 3)^2 = 100$$

Lesson

$$3) \quad 5(x - 4)^2 = 40$$

Lesson

$$4) 7(x+8)^2 = -28$$

Lesson

$$5) m^2 - 10m + 25 = 16$$

$$6) 6(x+9)^2 - 4 = 32$$

$$7) \frac{1}{5}x^2 - \frac{5}{49} = 0$$

Review

Solve by factoring.

$$8) \quad 7y^3 - 28y = 0$$

Review

Solve by factoring.

$$9) \quad 4b^3 - \frac{1}{4}b = 0$$