Name _____

Per _____

# Solving Quadratic Equations

Solve.

**5.** $x^2 + 2x - 35 = 0$ _____

**6.** $3x^2 - 15x = 0$ _____

**7.** $x^2 - 11x + 24 = 0$ _____

**8.** $2x^2 + 9x - 5 = 0$ _____

**9.** $x^2 + 5x - 36 = 0$ _____

**10.** $2x^2 - 11x + 12 = 0$ _____

**11.** $3x^2 - x - 10 = 0$ _____

**12.** $6y^2 - 13y + 6 = 0$ _____

Solve.

**13.** $x^2 = 5$ _____

**14.** $4x^2 = 48$ _____

**15.** $8x^2 = 36$ _____

**16.** $(x - 3)^2 = 16$ _____

**17.** $(x - 9)^2 = 10$ _____

**18.** $(x + 4)^2 = 15$ _____

**19.** $2x^2 - 30x = 0$ _____

**20.** $6x^2 + 15x = 0$ _____

**21.** $5x^2 - 45 = 0$ _____

**22.** $8x^2 - 10x = 0$ _____

**23.** $x^2 + 8x + 16 = 25$ _____

**24.** $16y^2 + 25 = 25$ _____

**25.** $x^2 - 4x + 4 = 16$ _____

**26.** $x^2 + 10x + 25 = 33$ _____

Solve using the quadratic formula.

**27.** $x^2 + 4x - 45 = 0$ _____

**28.** $2x^2 - x - 21 = 0$ _____

**29.** $x^2 - 49 = 0$ _____

**30.** $x^2 + 8x + 16 = 5$ _____

**31.** $x^2 - 3x - 2 = 0$ _____

**32.** $2x^2 - 10x + 9 = 0$ _____

**33.** $x^2 + 2x + 10 = 0$ _____

**34.** $3x^2 + 12x + 8 = 0$ _____

**35.** $x^2 - 3x - 5 = 0$ _____

**36.** $5x^2 = 6 + 2x$ _____

**37.** $4x^2 - 5x + 1 = 0$ _____

**38.** $7x^2 = 3$ _____