

Name: _____

Date: _____

Solving Quadratic Equations

Solve each equation by completing the square.

1)

$$b^2 + 5b - 35 = 3b$$

2)

$$3r^2 - 16r - 7 = 5$$

3)

$$15a^2 - 3a = 3 - 7a$$

4)

$$-4k^2 - 8k - 3 = -3 - 5k^2$$

5)

$$7k^2 - 6k + 3 = 3$$

6)

$$n^2 + 8n = -15$$

7)

$$10b^2 = 27b - 18$$

8)

$$6b^2 - 13b + 3 = -3$$

9)

$$8x^2 + 21 = -59x$$

10)

$$35k^2 - 22k + 7 = 4$$
