Review – Solve Quadratic Equations by Factoring Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Solve each equation by factoring. Show your work and check your answer by graphing, substitution, FOILing or using the box method.

1) (x + 5)(x – 7) = 0 2) (x – 4)(x – 12) = 0

3) (2x – 9)(x + 6) = 0 4) (3x + 5)(4x – 3) = 0

5) x² + 7x – 30 = 0 6) x² + 8x + 16 = 0

7) x² - 8x = -15 8) 2x² + 11x - 21 = 0

9) 4x² + 5x = 6 10) 9x² - 1 = 0

11) 5x² - 9x + 4 = 0 12) x² + 12x = -35

13) x² = 16 14) 2x² + 2x – 24 = 0

15) 3x² - 12x = 63 16) 5x² + 5x – 10 = 0