Solving Quadratic Equations by Factoring Name: \_\_\_\_\_\_\_\_\_\_\_\_\_

Solve each equation by factoring

1) 35n2 + 22n + 3 = 0 2) 15b2 + 4b − 4 = 0

3) 7p2 − 38 p − 24 = 0 4) 3x2 + 14x − 49 = 0

5) 3k2 − 18k − 21 = 0 6) 6k2 − 42k + 72 = 0

Solve each equation by using quadratic formula

7) 4x2+ 11x -20= 0 8)x2- 5x -24 =0

9) x2=3x + 3 10)4x2 -1= -8x

Solve each equation by using quadratic formula or factoring

11) x2 - 10x + 9 12) x2 = 11x − 28

13) k2 + 15k = −56 14)x2 + 3x – 10=0