

WS 10.6A Factoring Quadratics

Date _____ Period _____

Solve each equation by factoring.

1) $m^2 + 56 = 15m$

2) $b^2 = -42 - 13b$

3) $m^2 + 15 = -8m$

4) $p^2 = -3p + 28$

5) $5n^2 + 31n = 28$

6) $5v^2 - 39v = -28$

7) $5p^2 - 31p = -30$

8) $4a^2 - 7 = -12a$

$$9) 21x^2 - 75 = -90x$$

$$10) 21v^2 + 56 = 175v$$

$$11) 16x^2 - 320 = 88x$$

$$12) 98x^2 - 21x = 35$$

$$13) x^2 + 6x = -9$$

$$14) 4x^2 + 12x + 9 = 0$$

$$15) 9x^2 + 25 = 30x$$

$$16) x^2 - 10x + 25 = 0$$