Adv Geometry Name_____ ID: 1

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WS 10.7A Completing the Square

Date_____ Period____

Solve each equation by completing the square.

1) $m^2 - 10m + 21 = 0$

2) $4r^2 - 16r + 7 = 0$

3) $5n^2 - 20n + 10 = 0$

4) $8n^2 - 16n - 80 = 0$

5) $p^2 + 4p - 12 = 0$

6) $x^2 + 14x + 9 = -3$

7) $3x^2 + 18x - 24 = -3$

8) $v^2 - 6v - 14 = 2$

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9) $x^2 + 10x - 55 = 4$

10) $3n^2 - 6n - 52 = -7$

11) $k^2 - 9k - 86 = 0$

12) $10x^2 + 8x - 49 = 0$

13) $2a^2 - 7a - 85 = 0$

14) $10x^2 + 4x - 100 = 0$

15) $9x^2 + 3x - 22 = 8$

16) $10m^2 + 11m - 1 = 4$

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