

Completing the Square Worksheet

Name _____

Complete the Square.

1. $x^2 - 12x + c$

2. $y^2 + 20y + c$

3. $w^2 + 16w + c$

4. $m^2 - 11m + c$

Solve by completing the square.

5. $x^2 - 14x + 19 = 0$

6. $n^2 + 16n - 7 = 0$

7. $p^2 + 8p + 10 = 0$

8. $x^2 + 2x + 6 = 0$

9. $x^2 - 6x + 11 = 0$

10. $y^2 + 4y = 5$

11. $3x^2 + 30x + 162 = 0$

12. $2x^2 + 24x + 2 = 0$

Name _____

Solving Equations by Completing the Square

Date _____ Period _____

Solve each equation by completing the square.

1) $a^2 + 2a - 3 = 0$

2) $a^2 - 2a - 8 = 0$

3) $p^2 + 16p - 22 = 0$

4) $k^2 + 8k + 12 = 0$

5) $r^2 + 2r - 33 = 0$

6) $a^2 - 2a - 48 = 0$

7) $7b^2 - 14b - 56 = 0$

8) $2n^2 + 12n + 10 = 0$