

Assignment

Date _____ Period _____

Solve each equation by completing the square. X-Ints

1) $m^2 - 8m + 15 = 0$

2) $x^2 + 14x + 33 = 0$

3) $n^2 - 6n + 8 = 0$

4) $x^2 + 10x + 52 = 0$

5) $n^2 - 20n + 92 = 0$

Find the value of c that completes the square.

6) $z^2 - z + c$

7) $m^2 - 10m + c$

8) $y^2 - 2y + c$

9) $a^2 - 11a + c$

10) $y^2 - 3y + c$

11) $x^2 + \frac{119}{13}x + c$

12) $r^2 - 12r + c$

13) $m^2 + 13m + c$

14) $x^2 - 8x + c$

15) $x^2 + 16x + c$