

Completing the Square Practice

Date _____ Period _____

Find the value of c that completes the square.

1) $z^2 + 6z + c$

2) $a^2 + 12a + c$

3) $x^2 - 12x + c$

4) $x^2 - 20x + c$

5) $m^2 - 2m + c$

6) $x^2 + 30x + c$

Solve each equation by completing the square.

7) $x^2 + 2x - 99 = 0$

8) $x^2 + 2x - 3 = 0$

9) $p^2 - 18p + 80 = 0$

10) $x^2 + 20x - 13 = 0$