

## Unit 6 - Warm Up #10 - Completing the Square

Find the value of  $c$  that completes the square.

1)  $r^2 + 3r + c$

2)  $x^2 + 32x + c$

Find the value that completes the square and then rewrite as a perfect square.

3)  $p^2 - 17p + \underline{\quad}$

4)  $m^2 - 22m + \underline{\quad}$

Solve each equation by completing the square.

5)  $p^2 + 6p - 5 = 4$

6)  $m^2 - 10m - 36 = 3$

7)  $a^2 + 6a - 68 = -7$

8)  $k^2 - 12k - 59 = 5$