

## HW #11 Solving by Completing the Square

Solve each equation by completing the square.

1)  $x^2 - 20x + 75 = 0$

2)  $a^2 - 2a - 65 = 0$

3)  $p^2 - 10p + 43 = 0$

4)  $b^2 + 8b + 51 = 0$

5)  $x^2 - 8x - 48 = 0$

6)  $p^2 + 20p - 77 = -8$

7)  $n^2 - 10n + 85 = -9$

8)  $x^2 - 14x - 105 = -10$

9)  $k^2 + 18k + 90 = 7$

10)  $r^2 - 8r + 41 = -5$