

(C1-2.3a) Name:

Homework Questions 3– Completing the Square

Complete the square for these expressions

1. $x^2 - 6x + 8$

2. $x^2 - 4x + 9$

$$(x - 3)^2 - 1$$

$$(x - 2)^2 + 5$$

3. $x^2 - 10x - 5$

4. $x^2 + 12x + 6$

$$(x - 5)^2 - 30$$

$$(x + 6)^2 - 30$$

5. $x^2 - 8x + 7$

6. $x^2 - 10x - 2$

$$(x - 4)^2 - 9$$

$$(x - 5)^2 - 27$$

7. $x^2 + 18x - 3$

8. $x^2 + 4x + 6$

$$(x + 9)^2 - 84$$

$$(x + 2)^2 + 2$$

9. $x^2 + 10x + 2$

10. $x^2 + 18x - 1$

$$(x + 5)^2 - 23$$

$$(x + 9)^2 - 82$$