

## Completing the Square

Solve by completing the square. ***Show all steps and work to receive full extra credit.***

1.  $x^2 + 8x - 3 = 0$

Ans \_\_\_\_\_

2.  $x^2 + 3x - 6 = 0$

Ans \_\_\_\_\_

3.  $x^2 + 7x - 4 = 0$

Ans \_\_\_\_\_

4.  $x^2 - 10x + 6 = 0$

Ans \_\_\_\_\_

5.  $x^2 - 5x + 1 = 0$

Ans \_\_\_\_\_

6.  $2x^2 + 8x - 10 = 0$

Ans \_\_\_\_\_

7.  $2x^2 + 6x + 4 = 0$

Ans \_\_\_\_\_

8.  $3x^2 + 9x - 9 = 0$

Ans \_\_\_\_\_

9.  $2x^2 + 10x + 17 = 0$

Ans \_\_\_\_\_

10.  $2x^2 - 2x + 2 = 0$

Ans \_\_\_\_\_

11.  $2x^2 + 5x - 3 = x^2 + 5$

Ans \_\_\_\_\_

12.  $5x^2 + 2x + 3 = 10 - 8x$

Ans \_\_\_\_\_

13.  $4x^2 + 2x + 1 = 3x^2 + 4x + 5$

Ans \_\_\_\_\_

14.  $x^2 + 3x + 7 = 8x + 2$

Ans \_\_\_\_\_

15.  $3x^2 + 2x + 1 = x^2 - 6x - 3$

Ans \_\_\_\_\_