

Math 2 : 4.4A Worksheet

Name _____
Date _____ Period _____

**Find the value of c that makes the expression a perfect square trinomial.
Then write the expression as a square of a binomial.**

1. $x^2 + 12x + c$

2. $x^2 + 50x + c$

3. $x^2 - 26x + c$

4. $x^2 - 18x + c$

5. $x^2 + 13x + c$

6. $x^2 - 9x + c$

7. $x^2 - 11x + c$

8. $x^2 + \frac{1}{2}x + c$

9. $x^2 - \frac{6}{5}x + c$

Solve the equation by completing the square.

10. $x^2 + 6x = 1$

11. $x^2 + 4x = 13$

12. $x^2 - 10x = 15$

13. $x^2 + 8x = 10$

14. $x^2 - 2x - 7 = 0$

15. $x^2 - 12x - 21 = 0$

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

17. $x^2 + 5x - 3 = 0$

18. $x^2 - x = 1$