Quadratics and Other Equations

1. 6x – 12 = 10(x – 4)

2. Solve for n.

3. Solve the equation:

4. i(6 - 3i)²

5. (6 + 7i)(6 – 7i)

6.

7. 3 |4x – 10| + 20 = 26

8. Solve: 2 ≥ 3 – 2x > -4  
  
  
  
*Solve by factoring.*

9. x ² – 7x + 10 = 0 10. 4x ² + x – 14 = 0

*Solve by completing the square.*  
  
11. x² + x – 8 = 0  
  
  
  
  
12. x² - 18x + 10 = 0  
  
  
  
  
13. 4x² - 20x + 25 = 0

*Solve using the quadratic equation.*

14. 5x² + 13x = 6 15. 16t² – 64t + 0 = 0  
  
  
  
  
  
  
*Solve using any method.*  
  
16. 16t² - 64t + 48 = 0 17. + = 6  
  
  
  
  
  
18. 3x³ – 4x² – 27x + 36 = 0 19. = -1