Complex Numbers

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

*Simplify the following.*

9.   
  
  
10. -

11.   
  
  
12. (7i)(3i)

13.   
  
  
14.   
  
  
  
15. (3 – 5i) + (2 + 2i)

16. (1 + 2i) – (3 – 4i)

17. (5 + i)(3 – 2i) 18. (2 – 3i)²

19. 20. y = 2x² + 5x + 4