**9.4 HW Distance, Pythagorean, and Perimeter Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  
**Directions**: Find the distance between the following set of coordinates.   
  
1. (7, 3), (−1, −4) 2. (3, −5), (−3, 0) 3. (6, −7), (3, −5)   
  
  
  
  
  
  
4. (5, 1), (5, −6) 5. (1, 4), (2, 5) 6. (-2, 1), (1, 8)

  
  
  
  
  
  
**Directions**: Find the distance of the segment on each graph by using the Pythagorean Theorem.   
  
  
7. 8.

  
  
  
9. 10.

**Directions**: Find the perimeter of the figure using either the distance formula or the Pythagorean Theorem.   
  
  
11. 12.   
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
13. 14.   
  
  
  
  
  
  
  
  
  
  
  
  
  
  
15. 16.