Intro to Geometry (G.GPE.B.4)   Name: _____

Unit One B: Distance & Midpoint - Coordinate Plane (HW27)   Date: _____ Period: _____

1. What is the midpoint formula?   _____

2. What is the slope formula?   _____

3. What is the distance formula?   _____

Given the following endpoints of a segment, find the midpoint, slope, and distance. Show all work. Plug into formula OR graph. Round answers to nearest hundredth when necessary.

4. (2, 8) and (4, 6)

   a. Slope:

   b. Distance:

   c. Midpoint:

5. (-4, 10) and (3, -5)

    a. Slope:

    b. Distance:

    c. Midpoint:

6. (-2, -4) and (-1, -6)

    a. Slope:

    b. Distance:

    c. Midpoint: