Lesson 3.4 • The Median-Median Line

Name _____ **Period** _____ **Date** _____

1. How should you divide the following sets into three groups for the median-median line?

   a. Set of 33 elements   **b.** Set of 64 elements   **c.** Set of 57 elements

2. Find the point with coordinates (*median x, median y*) for each group of points.

   a. (3, 4), (5, 8), (11, 9), (13, 10)

   b. (0, 3), (2, 6), (3, 4), (5, 1), (7, 5)

   c. (14, 20), (11, 11), (17, 13), (15, 19), (16, 22), (20, 18)

   d. (2.5, 5.0), (4.1, 3.8), (1.6, 7.5), (5.9, 2.6)

3. Find an equation in point-slope form for the line passing through each pair of points.

   a. (5, 8) and (8, 2)   **b.** $(-1, 6)$ and $(9, -4)$

   c. $(20, -14)$ and $(-30, 16)$ **d.** $(44.2, -22.8)$ and $(25.2, 34.2)$

4. Find an equation for each line described. Write your answer in the same form as the given line or lines.

   a. Line one-third of the way from $y = 2x + 6$ to $y = 2x + 15$

   b. Line one-third of the way from $y = 0.8x + 12.6$ to the point (9, 48)