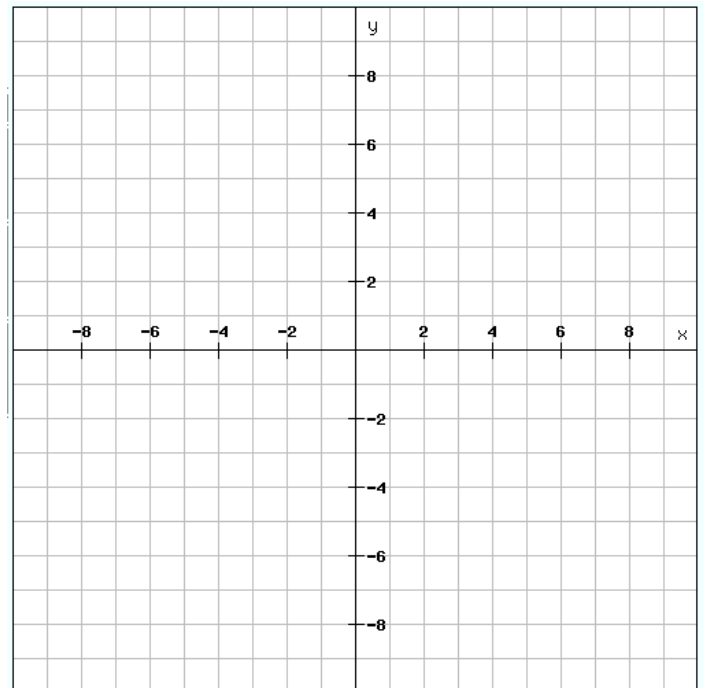Name:

QUIZ – MATH GRADE 10

1. (70%) Given the points A(4, –2) and B(–6, 4).

    a. (10%) Sketch the points on the graph.
    b. (15%) Find the distance between the points.

    c. (10%) Find the midpoint M between the points and sketch it on the graph.

    d. (8%) Find the distance between M and A, explain how is it related to part b.

    e. (7%) Find a new pair of points whose midpoint is M: _____

    f. (20%) Find a point D of the form (0, k) in such a way that AD = BD, sketch it on the graph.

2. (15%) The midpoint between the points (x, 35) and (–2, y) is (–6, 7) find x and y.

3. (15%) Given that the midpoint between A(17, 0) and B is the point M(1, –1). Find point B