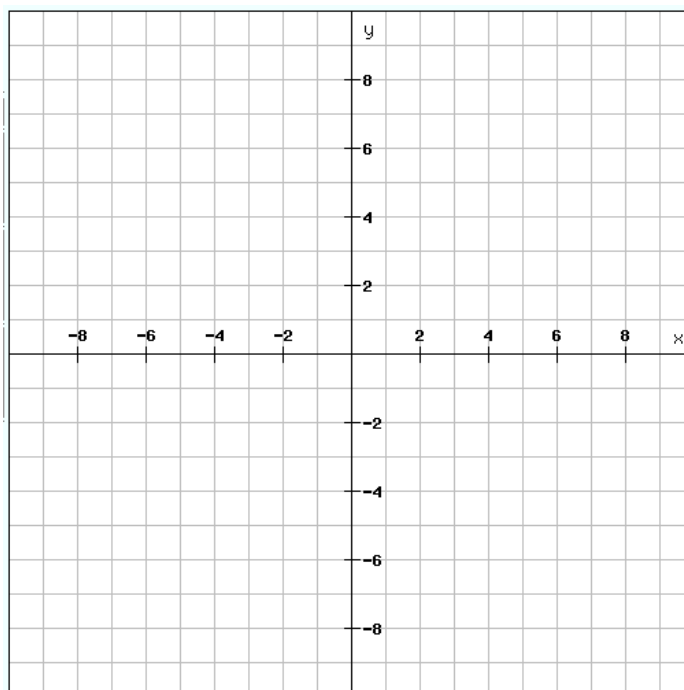


Name:

## QUIZ 19 – MATH GRADE 9

1. (75%) Given the points  $A(0, -4)$  and  $B(8, 2)$ .
  - 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. (10%) Find the distance between  $M$  and  $A$ , explain how is it related to part b.
  - e. (10%) Find a new pair of points whose midpoint is  $M$ : \_\_\_\_\_
  - f. (20%) Find a point  $D$  of the form  $(k, 1)$  in such a way that  $AD = BD$ , sketch it on the graph.



2. (15%) Given that the midpoint between A (5, 0) and B is the point M (−7, −10). Find point B

3. (10%) Given that the midpoint between A (a, b+1) and B(0, 0) is the point M (2a+3, −10). Find point A