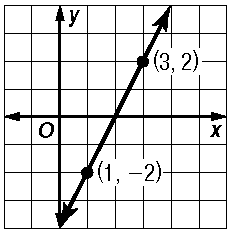




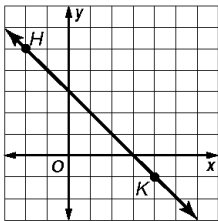
Directions: Solve each of the following questions (do the work on your own paper). Then, select the correct answer for each question by pushing the corresponding button on your Mimio Vote Controller. Once you have answered all questions, make sure you submit your answer by pressing the button with the Asterix symbol.

1. What is the slope of the line shown below?



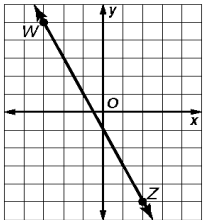
- a) 2 b) -2 c) 0.5 d) -0.5

2. What is the midpoint of segment HK shown below?



- a) (1, 2) b) (3, 3) c) (-3, -3) d) (-1, -2)

3. What is the distance from W to Z in the graph shown below?



- a) $2\sqrt{5}$ b) $5\sqrt{10}$ c) $25\sqrt{5}$ d) $5\sqrt{5}$

4. What is the distance, to the nearest tenth, from A(4, -2) to B(-2, 3)?

- a) -1.0 units b) 3.4 units c) 0.0 units d) 7.8 units

5. The endpoints of PQ are (3, 6) and (-1, 4). What are the coordinates of M, the midpoint?

- a) (-2, 5) b) (1, 5) c) 5, 1) d) (5, -2)

6. Calculate the slope between the points (7, -3) and (4, 3).

- a) -2 b) -0.5 c) 2 d) 10

7. The distance between (7, 2) and which of the following points is exactly 5 units?

- a) (2, 1) b) (-2, 1) c) (2, -1) d) none of these

8. A line with an undefined slope passes through the points (-2, 1) and (p, q). Which of the following points could be (p, q)?

- a) (1, 0) b) (0, 1) c) (0, -2) d) -2, 0)

9. Find the radius of a circle whose diameter has endpoints (7, 8) and (-3, -2).

- a) 5 b) (2, 3) c) $\sqrt{52}$ d) $5\sqrt{2}$

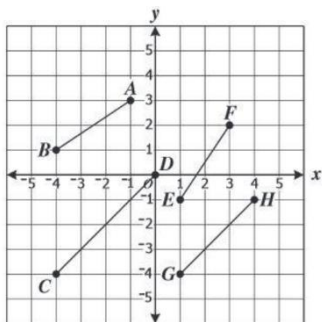
10. All lines that are perpendicular to the x-axis have...

- a) Zero slopes b) undefined slopes c) positive d) negative slopes

11. A line segment has endpoints at A(1, 1) and B(x, y). If the midpoint of AB is at (-2, 0), what are the coordinates of B?

- a) (-0.5, 0.5) b) (0.5, 0.5) c) (-1, 0) d) (-5, -1)

12. Which of the following line segments are parallel?



- a) \overline{CD} and \overline{GH} b) \overline{CD} and \overline{AB}
c) \overline{EF} and \overline{GH} d) \overline{AB} and \overline{EF}

