

Name _____

Date _____

Teacher _____ Period _____

EOC Review Day 6

1. If $(h, 5h)$ and $(6h, 7h)$ are two points on the graph of a line and h is not equal to 0, what is the slope of the line?

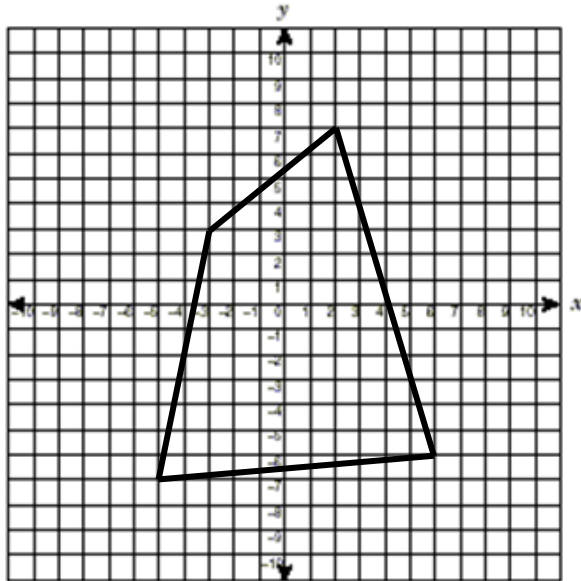
A $\frac{5}{2}$

C $\frac{2}{5}$

B $\frac{2}{5}h$

D Not here

2. A quadrilateral is graphed below.



Which of the following represents the slopes of the two diagonals of the quadrilateral?

F -2 and 1

G 1 and -1

H -1 and 2

J -2 and -1

3. What is the y-value of the y-intercept of the line with a slope of -2 and passing through the point (2, -7)?

+	•	•	•	•	•	•	•	•
-	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1
	2	2	2	2	2	2	2	2
	3	3	3	3	3	3	3	3
	4	4	4	4	4	4	4	4
	5	5	5	5	5	5	5	5
	6	6	6	6	6	6	6	6
	7	7	7	7	7	7	7	7
	8	8	8	8	8	8	8	8
	9	9	9	9	9	9	9	9

4. Identify which pairs of lines are perpendicular.

- I. $y = 3$
- II. $y = 2x + 3$
- III. $y = 3x - 2$
- IV. $x = -6$
- V. $y = 4x + \frac{1}{2}$

- A** I and IV only
- B** I and II only
- C** I and IV, III and V
- D** III and V only

5. Are the following lines parallel, perpendicular, or neither?

$$3y = 4x - 6$$

$$-4x + 3y = 15$$

- F** Parallel
- G** Perpendicular
- H** Neither