MATH 8 QUARTER 4 LAS 5: LESSON- PROPERTIES OF PARALLEL & PERPENDICULAR LINES

DIRECTIONS: TYPE YOUR ANSWERS IN THE BOX PROVIDED, CLICK FINISH THEN CLICK CHECK MY ANSWERS. TAKE A SCREENSHOT OF YOUR SCORE THEN SEND IT TO MY MESSENGER.

Activity 2:

Directions: Choose the **letter** that corresponds to your answer and write it on the box before each number.

_____1. The following are conditions that (tells) tell us that lines or segments are parallel EXCEPT.

a. corresponding angles are equal
b. alternate interior angles are equal.
c. slopes are negative reciprocal of one another.
d. lines or segment do not intersect no matter how long they are extended.

_____2. The following are conditions that tells us that lines or segments are perpendicular EXCEPT

a. slopes formed by the lines are equal
b. angles formed by the lines measures 90^0
c. slopes are negative reciprocal of one another
d. the product of the slopes is -1

For numbers 3 – 5. Line 1: $A(-2,4)\ B(2,2)$ Line 2: $C(4,-8)\ D(-8,-2)$

_____3. The slope of line 1 is_____.

a. -2
b. $-1/2$
c. ½
d. 2

_____4. The slope of line 2 is_.

a. −2
b. $-1/2$
c. ½
d. 2

_____5. The lines are_____.

a. Parallel lines
b. Perpendicular lines
c. Neither parallel nor perpendicular

For numbers 6 - 8. Line 1: $A(0,-1)\ B(2,-4)$ Line 2: $C(3,5)\ D(-3,1)$

_____6. The slope of line 1 is_____.

a. -3
b. $-3/2$
c. 2/3
d. 2

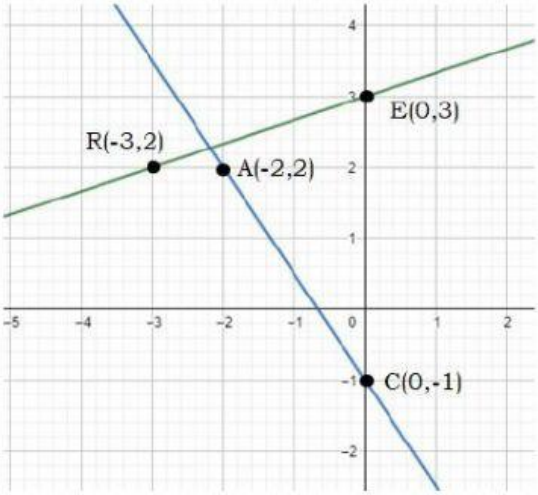
_____7. The slope of line 2 is_____.

a. −2
b. −3/2
c. 2/3
d. 3

_____8. The lines or segments are_____.

a. Parallel lines
b. Perpendicular lines
c. Neither parallel nor perpendicular

For numbers 9-10. Refer to the figure on the right.



_____9. The slopes is/are_.

a. equal
b. negative reciprocal of each other
c. distinct

_____10. The lines on the graph at the right are_.

a. Parallel lines
b. Perpendicular lines
c. Neither parallel nor perpendicular