

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.
- corresponding angles are equal
 - alternate interior angles are equal.
 - slopes are negative reciprocal of one another.
 - 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
- slopes formed by the lines are equal
 - angles formed by the lines measures 90°
 - slopes are negative reciprocal of one another
 - 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 _____.
- 2
 - $-\frac{1}{2}$
 - $\frac{1}{2}$
 - 2
- _____ 4. The slope of line 2 is _____.
- 2
 - $-\frac{1}{2}$
 - $\frac{1}{2}$
 - 2
- _____ 5. The lines are _____.
- Parallel lines
 - Perpendicular lines
 - 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 _____.
- 3
 - $-\frac{3}{2}$
 - $\frac{2}{3}$
 - 2
- _____ 7. The slope of line 2 is _____.
- 2
 - $-\frac{3}{2}$
 - $\frac{2}{3}$
 - 3
- _____ 8. The lines or segments are _____.
- Parallel lines
 - Perpendicular lines
 - Neither parallel nor perpendicular

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

- _____ 9. The slopes is/are _____.
- equal
 - negative reciprocal of each other
 - distinct
- _____ 10. The lines on the graph at the right are _____.
- Parallel lines
 - Perpendicular lines
 - Neither parallel nor perpendicular

