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Grade 5: Module 10 - Geometry - Identify and Compare**Part 1**

1. Which of the following geometric shapes is most accurately described by these properties?

- 4 congruent sides
- 4 right angles

- A. trapezoid
- B. rectangle
- C. square
- D. hexagon

2. Which of the following quadrilaterals is most accurately described by these properties?

- 2 acute angles
- 2 obtuse angles
- 2 sets of parallel sides

- A. square
- B. rectangle
- C. trapezoid
- D. parallelogram

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3. Which of the following figures **cannot** have four ninety-degree angles?

- A. rectangle
- B. trapezoid
- C. rhombus
- D. square

4. Which pair of shapes has one shape that is **not** a quadrilateral?

- A. rectangle, hexagon
- B. square, rectangle
- C. trapezoid, rhombus
- D. rhombus, square

5. What shape does **not** have two sets of parallel sides?

- A. rectangle
- B. rhombus
- C. trapezoid
- D. square

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6. Which of the following figures is the correct answer to the geometry riddle?

I have 4 sides.

I have two sets of parallel sides.

I have 4 congruent sides.

What shape am I?

A. rectangle

B. trapezoid

C. triangle

D. square

7. Which of the statements is true?

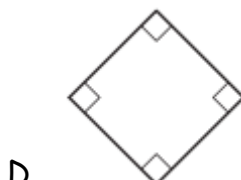
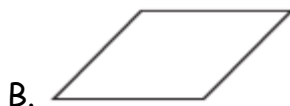
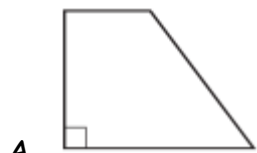
A. A rhombus always has four ninety-degree angles.

B. A rhombus always has four congruent sides.

C. A rhombus is always a square.

D. A rhombus always has four congruent angles.

8. Which quadrilateral has four congruent angles?



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9. Look at the following description of a geometric figure:

- It is a quadrilateral.
- The opposite sides are equivalent, but not all sides are congruent.
- All four angles are ninety degrees

Which figure **could** match the description?

- A. rectangle
- B. trapezoid
- C. square
- D. pentagon

10. How are a square and a rhombus similar?

- A. They have only one set of parallel sides.
- B. They always have four right angles.
- C. They both have sides that are not congruent.
- D. They both have four congruent sides.

11. Which polygon has **only** one pair of parallel sides?

- A. square
- B. trapezoid
- C. rhombus
- D. rectangle

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12. Which of the following geometric figures has 3 equivalent sides?

- A. isosceles triangle
- B. right triangle
- C. equilateral triangle
- D. scalene triangle

13. Which of the following statements is true?

- A. All rectangles are squares.
- B. All quadrilaterals are rectangles.
- C. All rhombuses are squares.
- D. All squares are rectangles.

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Part 2

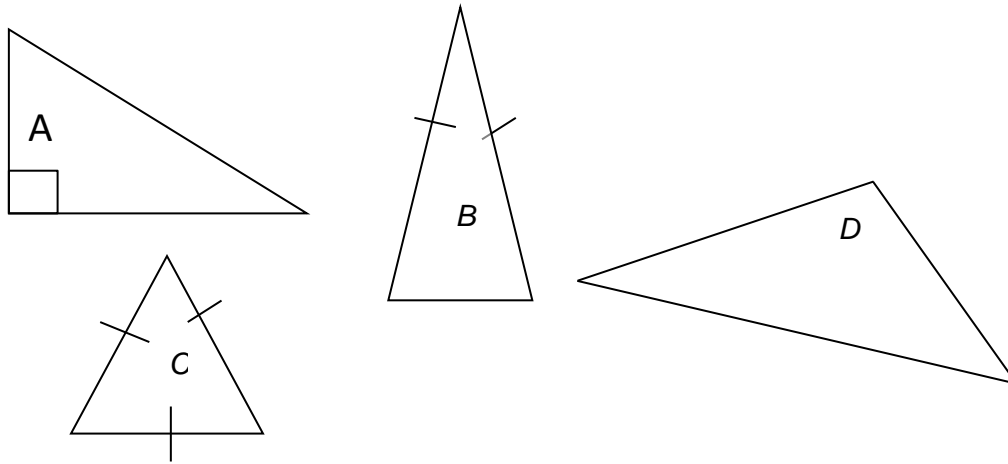
14. A rectangle may be a square. Use what you know about rectangle and square attributes to explain when this is true.

Explain your answer.

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15. Use the figures below to answer the questions.



Which figure is an equilateral triangle? _____

Explain your answer.

Which figure is an isosceles triangle? _____

Explain your answer.

Which figure is a right triangle? _____

Explain your answer.

Which figure is a scalene triangle? _____

Explain your answer.

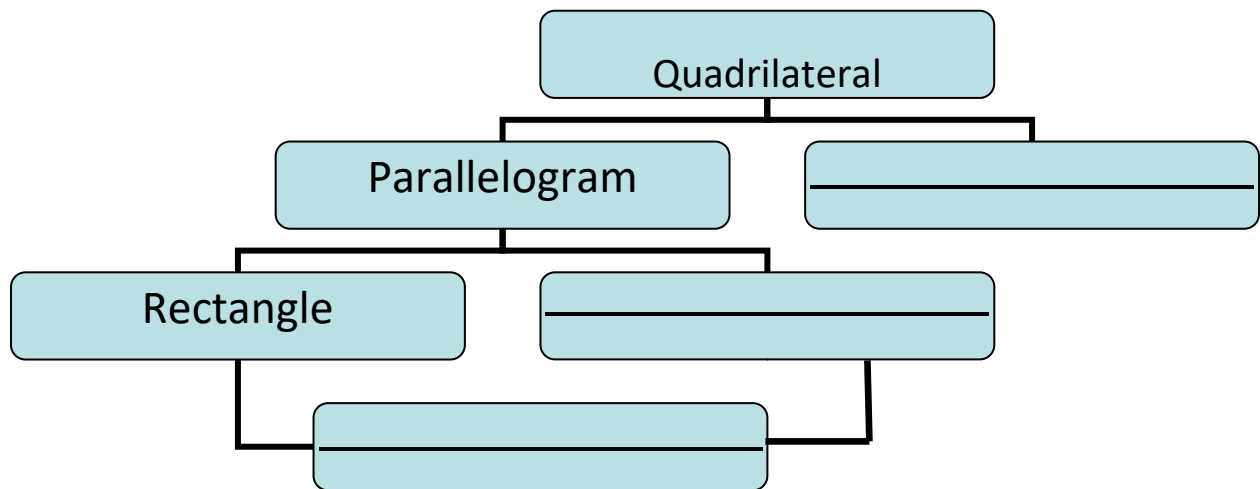
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Part 3

16. Complete the graphic organizer below using the following words:

trapezoid, square, rhombus



Explain your answer.

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Answer Key for Grade 5 Module 10 Assessment - Form A			
Question Number	Standard	Answer	Reasons for Answers
1	5.G.B.3	C	A. A trapezoid has 4 sides B. A rectangle has 4 right angles D. Didn't know the properties of a hexagon
2	5.G.B.3	D	A. A square has 2 sets of parallel sides B. A rectangle has 2 sets of parallel sides C. A trapezoid can have 2 acute and 2 obtuse angles
3	5.G.B.3	B	A. A rectangle has 4 ninety degree angles C. A rhombus can have 4 ninety degree angles, if so it is identified as a square D. A square has 4 ninety degree angles
4	5.G.B.3	A	B. Didn't understand the properties of the square and the rectangle C. Didn't understand the properties of the trapezoid and the rhombus D. Didn't understand the properties of the rhombus and the square
5	5.G.B.3	C	A. A rectangle has two sets of parallel sides B. A rhombus has two sets of parallel sides D. A square has two sets of parallel sides
6	5.G.B.3	D	A. A rectangle has 4 sides and two sets of parallel sides B. A trapezoid has 4 sides C. A triangle only has 3 sides
7	5.G.B.3	B	A. A rhombus sometimes has four ninety-degree angles C. A rhombus can be a square, but is not always a square D. A rhombus sometimes has four congruent angles
8	5.G.B.4	D	A. The trapezoid has one right angle B. The rhombus has four congruent sides C. The trapezoid has two sets of parallel sides
9	5.G.B.4	A	B. The trapezoid is a quadrilateral C. The square is a quadrilateral and all four angles are ninety degrees D. Thought that the pentagon was a quadrilateral
10	5.G.B.4	D	A. The square and the rhombus do have one set of parallel sides B. A square does have four right angles and a rhombus may have four right angles C. The rhombus and square each have four sides that are congruent
11	5.G.B.4	B	A. A square has two sets of parallel sides C. A rhombus has two sets of parallel sides D. A rectangle has two sets of parallel sides
12	5.G.B.4	C	A. An isosceles triangle has two congruent sides

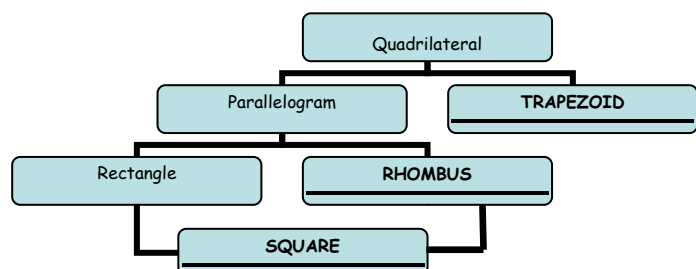
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			B. A right triangle does not have 3 congruent sides D. A scalene triangle has 3 sides that are all different measures
13	5.G.B.4	D	A. All squares are rectangles, but not all rectangles are squares B. All rectangles are quadrilaterals, but not all quadrilaterals are rectangles C. All squares are rhombuses, but not all rhombuses are squares
14	5.G.B.3	See below	

A rectangle has four sides with two sets of parallel sides and four right angles.
When all of the sides are congruent, then the rectangle is identified as a square.

15	5.G.B.4	See below
<p>Equilateral Triangle: Triangle C - The three lines indicate that the sides are all congruent.</p> <p>Isosceles Triangle: Triangle B - The two lines indicate that the two sides are congruent.</p> <p>Right Triangle: Triangle A - The square in the corner of the triangle indicates that it is a right angle, so Triangle A is a right triangle.</p> <p>Scalene Triangle: Triangle D - There are no markings to indicate that any sides are equal so it is a scalene triangle.</p>		
16	5.G.B.4	See below



The trapezoid is a quadrilateral but has only one set of parallel sides.

There are two types of parallelograms: both have opposite sides parallel, but the rhombus has four congruent sides. The square has four congruent sides and four congruent angles.