

- 1
- 1) A square is a quadrilateral.
 - 2) All rhombuses have four right angles.
 - 3) A rectangle could be a square.
 - 4) All rhombuses have two pairs of parallel sides.

All of the statements are true EXCEPT —

- A 1
- B 3
- C 4
- D 2

- 2 Which figure has four congruent angles?

- A Square
- B Equilateral triangle
- C Scalene triangle
- D Rhombus

- 3 Which of the following pairs of shapes do not have any right angles?

- A Circle and square
- B Rectangle and circle
- C Circle and parallelogram
- D Square and rhombus

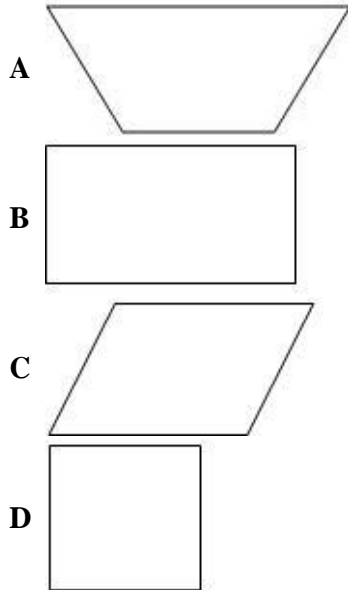
- 4 Which of the following is NOT a polygon?

- A Triangle
- B Rhombus
- C Circle
- D Parallelogram

5 **Which of the following is true about an isosceles triangle?**

- A All sides are congruent.
- B Two sides are congruent.
- C No sides are congruent.
- D It is a polygon with 4 congruent sides.

6 **Which of the following is not a parallelogram?**



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- 1) Only one polygon has an acute angle.
- 2) There is exactly one octagon.
- 3) All of the shapes are quadrilaterals.
- 4) There is exactly one parallelogram.



Which statements about these polygons are NOT true?

- A 2 and 3
- B 1 and 4
- C 3 and 4
- D 1 and 3

8 **Which plane figure does NOT have 2 pairs of parallel sides?**

- A Trapezoid
- B Rectangle
- C Parallelogram
- D Rhombus

9 **What is the name of the quadrilateral that has exactly one pair of parallel sides?**

- A Rectangle
- B Trapezoid
- C Square
- D Rhombus

10 **Which of the following is true about a rectangle?**

- A All four sides may be the same length.
- B All four sides are different lengths.
- C All three sides are different lengths.
- D Two sides are not parallel.

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This figure is NOT a rhombus. This is true because —

- A it has two pairs of parallel lines
- B it is a quadrilateral
- C all of the angles are not right
- D all of the sides are not congruent

12 **What is the name of a triangle that has 3 acute angles?**

- A Parallelogram
- B Obtuse triangle
- C Acute triangle
- D Right triangle

13 **Which plane figures always have four congruent sides?**

- A Trapezoid and square
- B Square and rhombus
- C Rectangle and trapezoid
- D Rhombus and rectangle

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This figure is a trapezoid because —

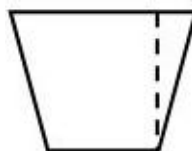
- A it can be divided to make exactly two squares
- B all sides are congruent
- C it has four right angles
- D it has exactly one pair of parallel sides

15 Directions: Click on each shape you want to select. You must select all correct shapes.

Identify the figures that can be classified as quadrilaterals.

Trapezoid	Rectangle
Parallelogram	Triangle
Rhombus	Square

16 **Nick cut the figure pictured below on the dotted line.**



Which of the following are the shapes of the two pieces?

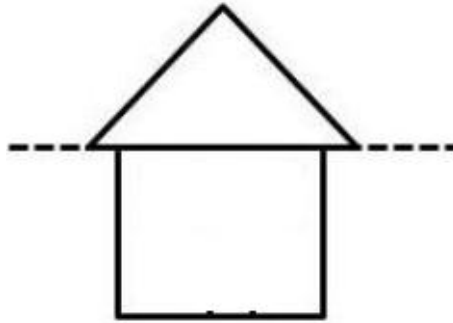
- A Rectangle and trapezoid
- B Square and triangle
- C Trapezoid and triangle
- D Rectangle and triangle

- 17 Lou cut the figure pictured below on the dotted line.



Which of the following are the shapes of the two pieces?

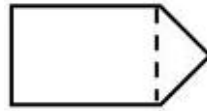
- A Two squares
 - B Rectangle and square
 - C Two rectangles
 - D Rectangle and rhombus
- 18 Josh cut the figure pictured below on the dotted line.



Which of the following are the shapes of the two pieces?

- A Triangle and hexagon
 - B Pentagon and triangle
 - C Circle and square
 - D Square and triangle
- 19 Two congruent right triangles could be combined to form what polygon?
- A Cube
 - B Trapezoid
 - C Rhombus
 - D Square

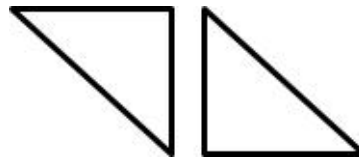
- 20 Nancy cut the figure pictured below on the dotted line.



Which of the following are the shapes of the two pieces?

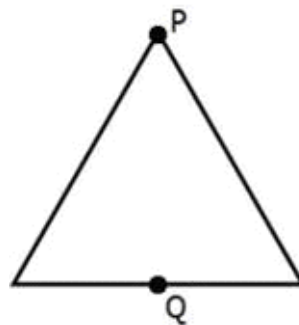
- A Rectangle and square
- B Square and triangle
- C Rectangle and trapezoid
- D Rectangle and triangle

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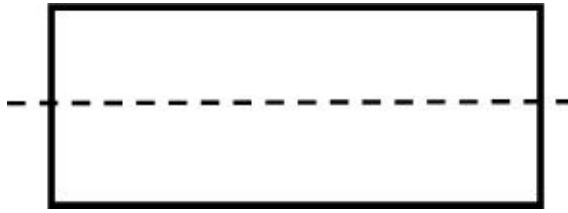
These two triangles could be combined to form what polygon?

- A Cylinder
 - B Square
 - C Circle
 - D Pyramid
- 22 If this triangle is divided into two triangles by drawing a line that connects point P to point Q, what kind of triangles will be formed?



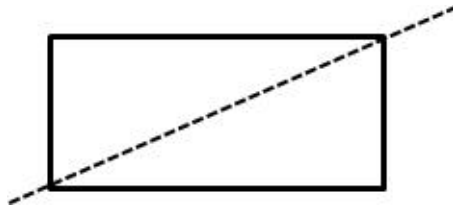
- A A right triangle and an acute triangle
- B 2 right triangles
- C 2 acute triangles
- D 2 obtuse triangles

- 23 Sue cut the figure below on the dotted line.



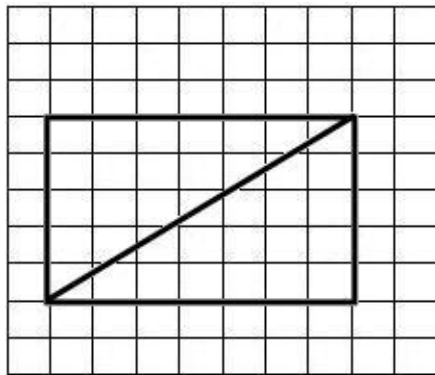
Which of the following are the shapes of the two pieces?

- A Circle and rectangle
 - B Two triangles
 - C Rectangle and triangle
 - D Two rectangles
- 24 Jack cut the figure pictured below on the dotted line.



Which of the following are the shapes of the two pieces?

- A Rectangle and circle
 - B Two triangles
 - C Triangle and rectangle
 - D Two rectangles
- 25 This rectangle is divided into what two shapes?



- A 2 right triangles
- B 2 obtuse triangles
- C 2 acute triangles
- D 2 rectangles

