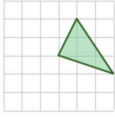
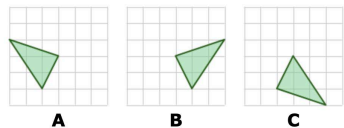


Name: _____ Date: _____

1 Look at this shape.

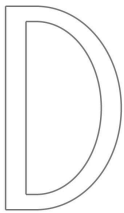


Which image shows a reflection?

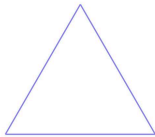


A B C

2 How many lines of symmetry does this shape have?

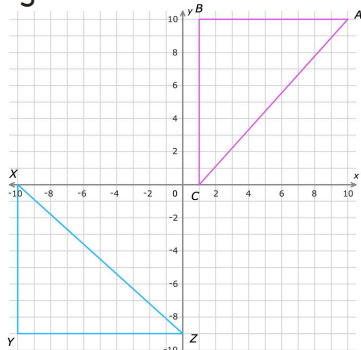


3 Which of the following transformations carry this regular polygon onto itself?

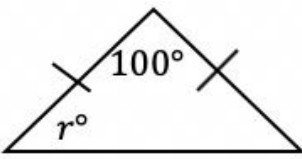


A: rotation of 36° clockwise
 B: rotation of 90° counterclockwise
 C: rotation of 120° clockwise
 D: rotation of 90° clockwise

4 Are $\triangle XYZ$ and $\triangle ABC$ congruent?

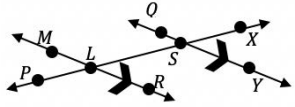


5 What is the measure of r ?



A: 40 B: 80
 C: 100 D: 130

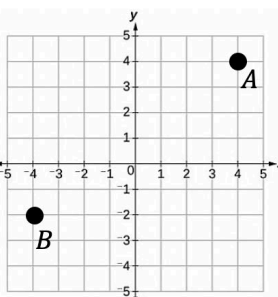
6



$\angle RLS$ and $\angle QSL$ are an example of a pair of

A: Vertical angles
 B: Alternate interior angles
 C: Alternate exterior angles
 D: Supplementary angles

7 Find the distance between point A and B.



A: 14 units
 B: 10 units
 C: 100 units
 D: 10000 units

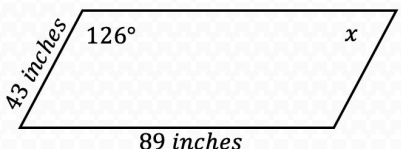
8 Trapezoid ABCD has the following vertices: A (1, 1), B (-1, 4), C (-5, 4), D (-6, 1). What is its perimeter?

A: 20 units
 B: 17.8 units
 C: 3.6 units
 D: 14.8 units

9 Write an equation parallel to the line $y=3x+5$ that passes through the point (-3, 7).

A: $y=3x+5$
 B: $y=3x+16$
 C: $y=-1/3 x+5$
 D: $y=-1/3 x+6$

10 What is the value of x ?



A: 126° B: 154°
 C: 64° D: 54°

11

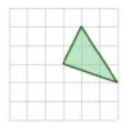
A square piece of glass has a perimeter of 36 centimeters. How long is each side of the piece of glass?

12

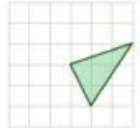
A piece of concrete has a volume of 38 cubic centimeters and a density of 2 grams per cubic centimeter. What is its mass?

Name: _____ Date: _____

1 Look at this shape.

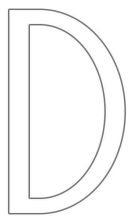


Which image shows a reflection?



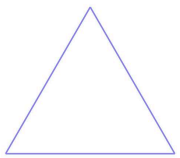
B

2 How many lines of symmetry does this shape have?



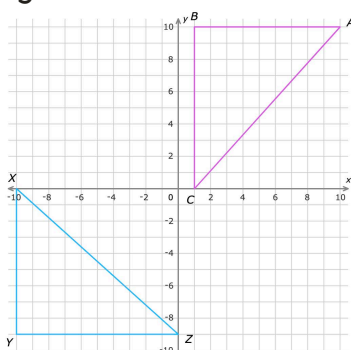
1

3 Which of the following transformations carry this regular polygon onto itself?



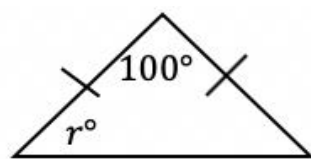
C: rotation of 120° clockwise

4 Are $\triangle XYZ$ and $\triangle ABC$ congruent?



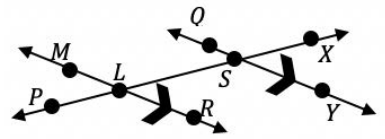
yes

5 What is the measure of r ?



A: 40

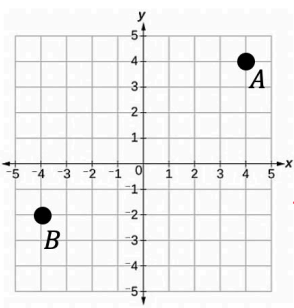
6



$\angle RLS$ and $\angle QSL$ are an example of a pair of

B: Alternate interior angles

7 Find the distance between point A and B.



B: 10 units

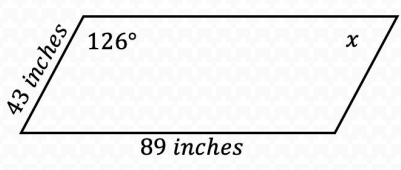
8 Trapezoid ABCD has the following vertices:
 A (1, 1), B (-1, 4), C (-5, 4), D (-6, 1). What is its perimeter?

B: 17.8 units

9 Write an equation parallel to the line $y=3x+5$ that passes through the point (-3, 7).

B: $y=3x+16$

10 What is the value of x ?



D: 54°

11

A square piece of glass has a perimeter of 36 centimeters. How long is each side of the piece of glass?

9 centimeters

12

A piece of concrete has a volume of 38 cubic centimeters and a density of 2 grams per cubic centimeter. What is its mass?

76 grams