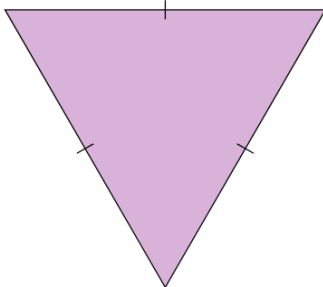




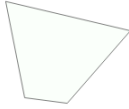
Match shapes after reflection

1

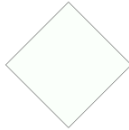
Which of these shapes is symmetric?



A

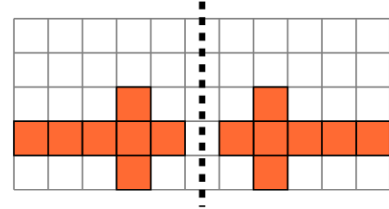


B



2

Are the left and right sides symmetric?



A

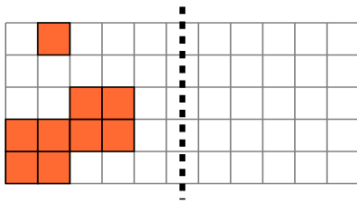
No

B

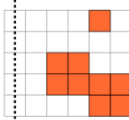
Yes

3

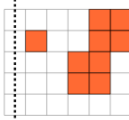
Which right side image would be symmetric?



A

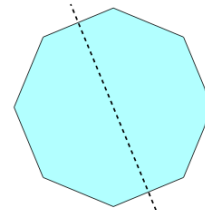


B



4

Is this a line of symmetry on this Octagon?



A

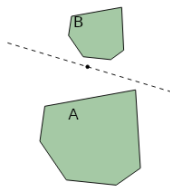
Yes

B

No

5

Identify the transformation that changes shape A into shape B



A

Reflection

B

Rotation

C

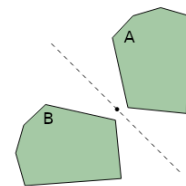
Dilation

D

Translation

6

Is the transformation of shape A into shape B a Reflection?



A

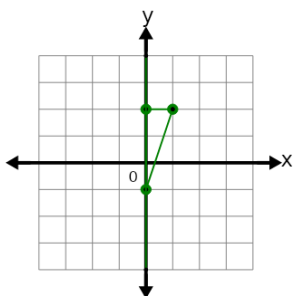
Reflection

B

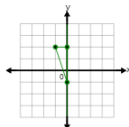
Not a Reflection

7

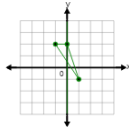
Reflect this shape across the Y axis



A



B



8

$ABCD$ is a square that is made up of two identical rectangles and two squares of area 4 cm^2 and 16 cm^2 . What is the area, in cm^2 , of the square $ABCD$?
(A) 64 (B) 49 (C) 25 (D) 36 (E) 20

A

E

B

C

C

D

D

A

E

B

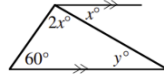


Match shapes after reflection

9

In the diagram, the value of y is

- (A) 30 (B) 20 (C) 80
(D) 60 (E) 40



A

E

B

C

C

D

D

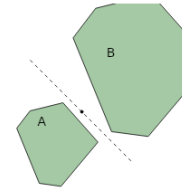
B

E

A

10

Is the transformation of shape A into shape B a Reflection?

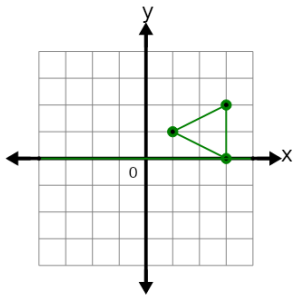


A Reflection

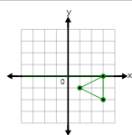
B Not a Reflection

11

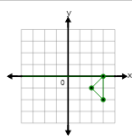
Reflect this shape across the X axis



A



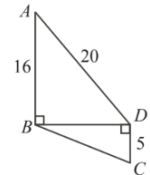
B



12

In the diagram, what is the length of BC ?

- (A) 13 (B) 12 (C) 20
(D) 16 (E) 17



A C

B B

C D

D A

E E