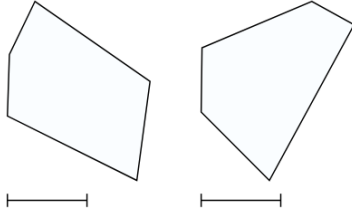


Distinguish rigid and non-rigid transformations

1

Are these shapes similar?

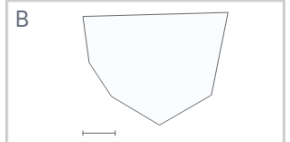
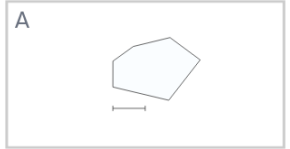
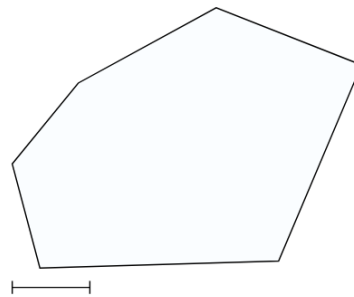


A Yes

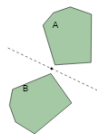
B No

2

Which image is similar to this shape?

**3**

In geometry, what's the name for the transformation that makes a mirror image of a shape?



A Ramshackle

B Revelry

C Roving

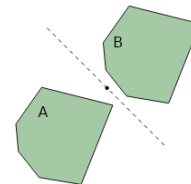
D Reflection

E Rostrum

F Rheumatoid

4

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

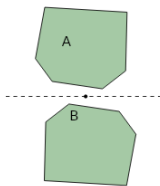


A Not a Translation

B Translation

5

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

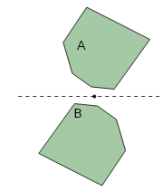


A Not a Reflection

B Reflection

6

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

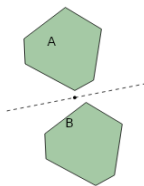


A Not a Rotation

B Rotation

7

Identify the transformation that changes shape A into shape B



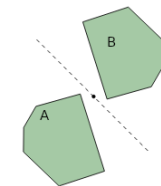
A Reflection

B Translation

C Rotation

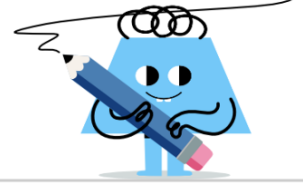
8

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



A Not a Dilation

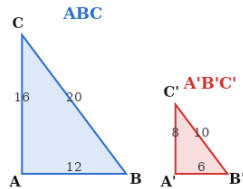
B Dilation



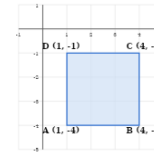
Distinguish rigid and non-rigid transformations

9

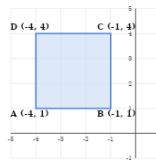
Is the dilation from triangle ABC to triangle A'B'C' a reduction or an enlargement?

☐ A Reduction☐ B Enlargement**10**

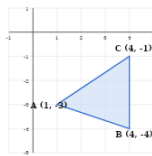
The quadrilateral ABCD is transformed by two transformations in sequence: (1) translate 1 unit right and 2 units down; then (2) rotate 180° about the origin. Is the final image congruent or similar to quadrilateral ABCD?

☐ A Congruent☐ B Similar**11**

The quadrilateral ABCD is transformed by two transformations in sequence: (1) reflect across the line $y = -x$; then (2) dilate by a scale factor of 2 about the origin. Is the final image congruent or similar to quadrilateral ABCD?

☐ A Congruent☐ B Similar**12**

The triangle ABC is transformed by two transformations in sequence: (1) dilate by a scale factor of 2 about the origin; then (2) rotate 180° about the origin. Is the final image congruent or similar to triangle ABC?

☐ A Similar☐ B Congruent