

NAME: \_\_\_\_\_

DATE: \_\_\_\_\_

## REFLECTION, ROTATION, TRANSLATION



Fill in the blanks with the correct words from the WORD BANKS:

There are three basic \_\_\_\_\_ (changes) that can be done to a shape. They are **reflection**, **rotation**, and **translation**. These transformations move the shape without making any \_\_\_\_\_ to its shape or size. A \_\_\_\_\_ flips a shape over to create a mirror image. The dotted line in the video is like a \_\_\_\_\_. The copied second shape we see across the line is called an \_\_\_\_\_. It is exactly \_\_\_\_\_ the first shape.



A rotation \_\_\_\_\_ a shape. Shapes may be rotated clockwise or \_\_\_\_\_. Whenever we do a rotation, the figure must stay the same size and the same \_\_\_\_\_. It is only turned. Figures always rotate around a \_\_\_\_\_ that does not move. If a figure is rotated all the way around back to where it started, this is called a \_\_\_\_\_ (360°). Half-way around is \_\_\_\_\_.



A \_\_\_\_\_ moves or slides a shape. A translation always moves an object, but it does not \_\_\_\_\_ it, \_\_\_\_\_ it, or change its size. Each point moves the exact same \_\_\_\_\_, and in the exact same \_\_\_\_\_.



Recognize how each figure has moved. Write slide, flip or turn.

1)



\_\_\_\_\_

2)



\_\_\_\_\_

3)



\_\_\_\_\_

4)



\_\_\_\_\_

5)



\_\_\_\_\_

6)



\_\_\_\_\_

7)



\_\_\_\_\_

8)



\_\_\_\_\_

Recognize how each shape has moved. Write slide, flip or turn.

1)



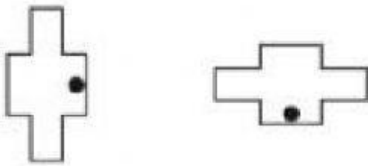
\_\_\_\_\_

2)



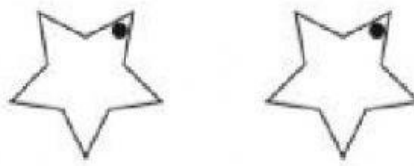
\_\_\_\_\_

3)



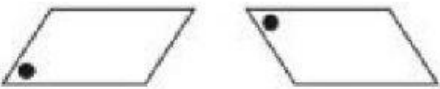
\_\_\_\_\_

4)



\_\_\_\_\_

5)



\_\_\_\_\_

6)



\_\_\_\_\_

7)



\_\_\_\_\_

8)



\_\_\_\_\_