

## 13.1-13.3 Transformations

Flips/Reflections

Translations

Rotations

Dilations

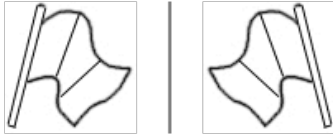
Name \_\_\_\_\_



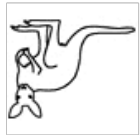
Date \_\_\_\_\_

### Horizontal Flips

A horizontal flip is a mirror image with the mirror to the right.



Circle the image that shows a horizontal flip.



Name \_\_\_\_\_



Date \_\_\_\_\_

Click on Sign to add text and place signature on a PDF File.

# Vertical Flips

A vertical flip is a mirror image with the mirror below.



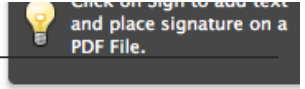
Circle the image that shows a vertical flip.



Name \_\_\_\_\_

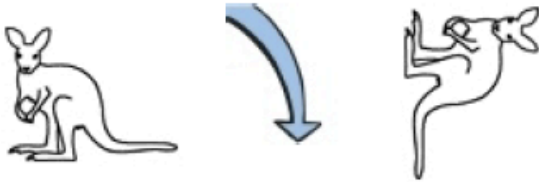


Date \_\_\_\_\_



# Clockwise Turn

A clockwise turn is a small turn to the right and down.



Circle the image that shows a clockwise turn.

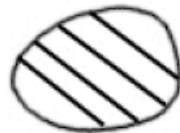
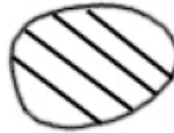


P

P

P

P



Name \_\_\_\_\_



Date \_\_\_\_\_

# Counterclockwise Turn

A counterclockwise turn is a small turn to the left and down.



Circle the image that shows a counterclockwise turn.

F

F

L

L

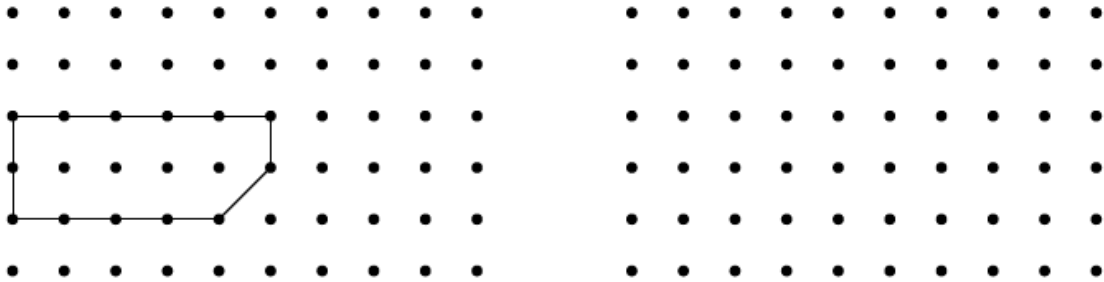


Name \_\_\_\_\_

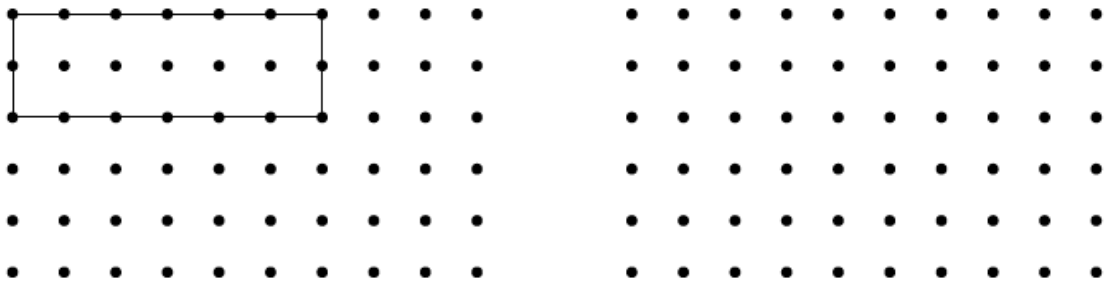


Date \_\_\_\_\_

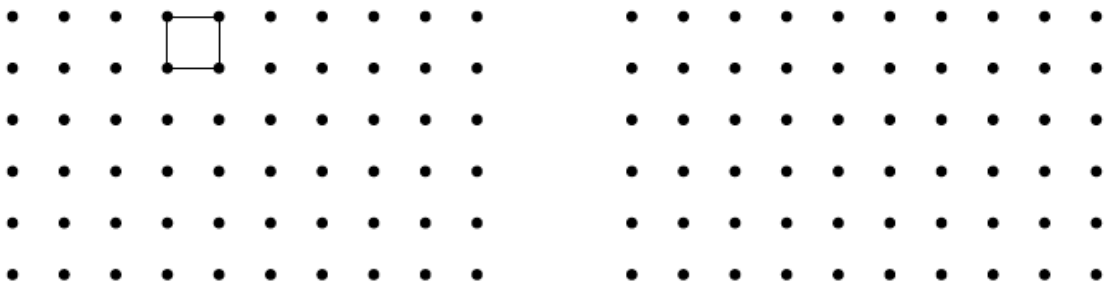
Draw a slide of the shape by moving the shape 3 dots to the right and 2 dots up.



Draw a slide of the shape by moving the shape 2 dots to the right and 2 dots down.



Draw a slide of the shape by moving the shape 3 dots to the left and 3 dots down.

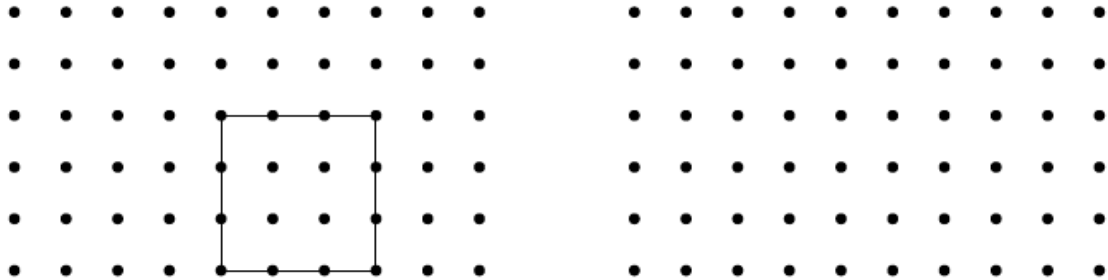


Name \_\_\_\_\_

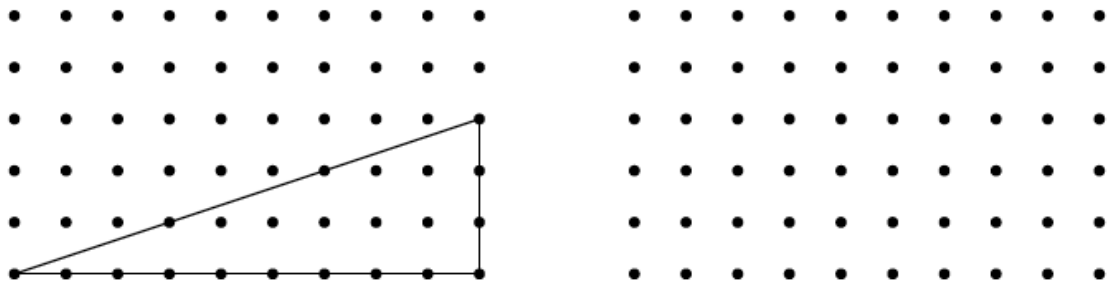


Date \_\_\_\_\_

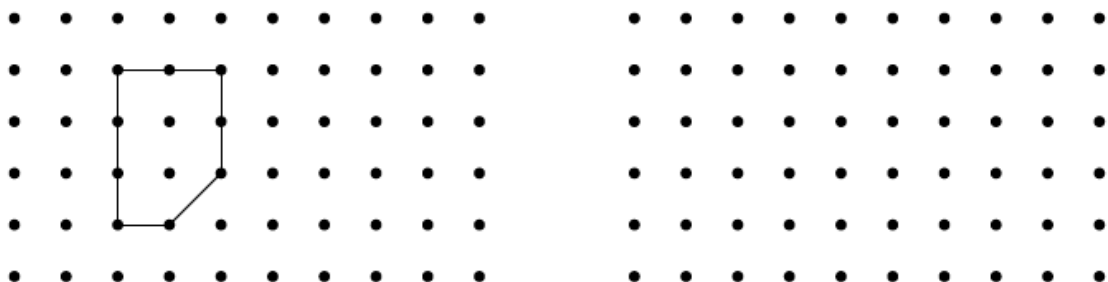
Draw a clockwise turn of the shape.



Draw a horizontal flip of the shape.



Draw a counterclockwise turn of the shape.

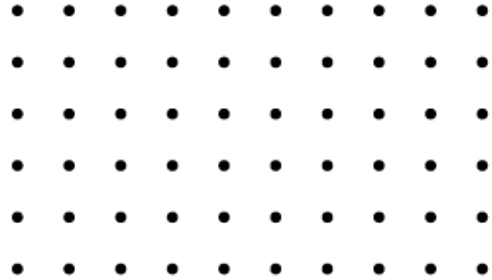
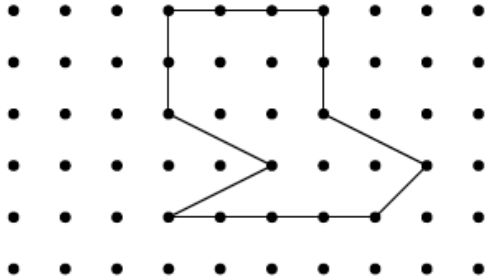


Name \_\_\_\_\_

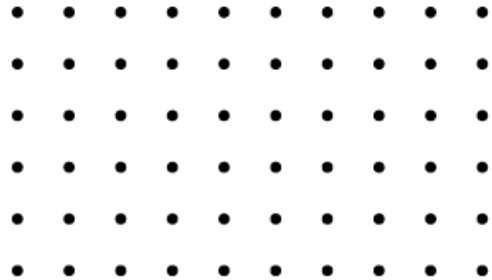
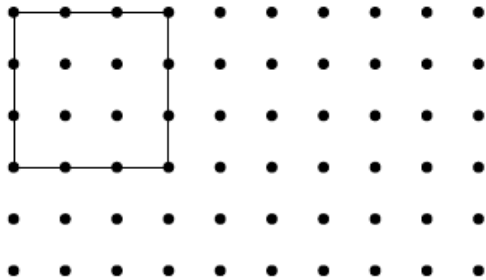


Date \_\_\_\_\_

Draw a vertical flip of the shape.



Draw a counterclockwise turn of the shape.



Draw a slide of the shape by moving the shape 1 dot to the left and 2 dots up.

