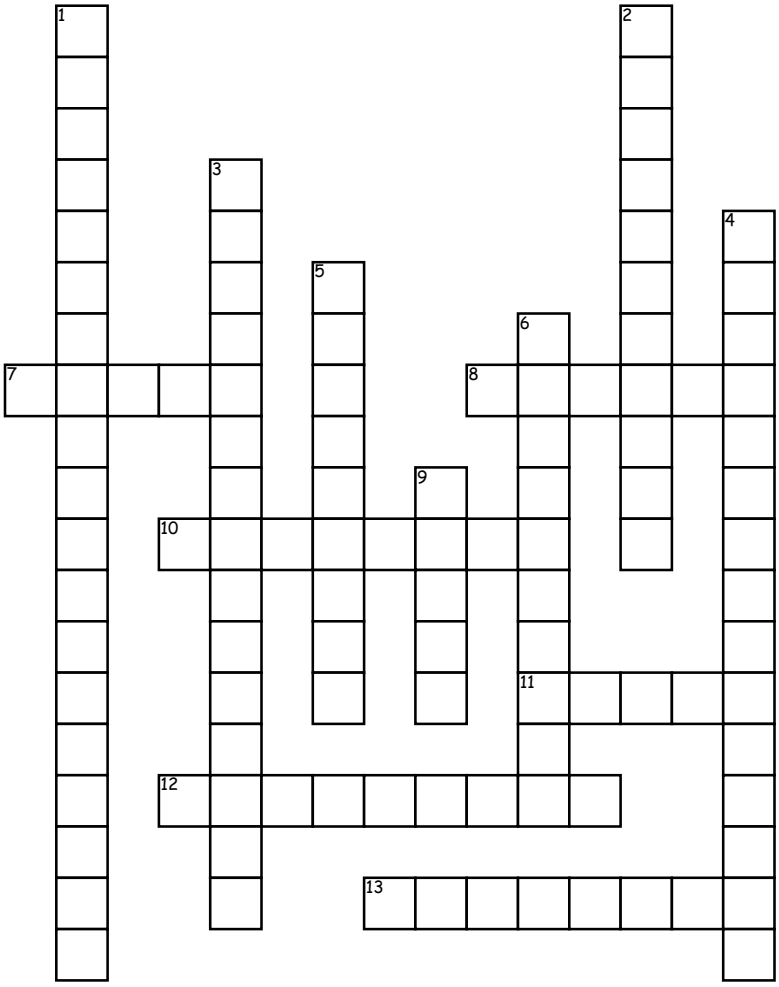
Name: _____ Date: _____

# Transformations



**Across**

**7.** On a coordinate plane, the _____-_____ is the horizontal line.

**8.** The fixed point that a figure can turn around is _____.

**10.** The original figure in transformations is called a _____.

**11.** The figure you end up with after flipping, rotating, sliding, etc. is?

**12.** Sides are _____ when they are the same length.

**13.** A type of transformation where a figure is turned around a fixed point.

**Down**

**1.** A transformation that does not change the size or shape of a figure.

**2.** When you move a geometric figure in some direction and every point of the original figure is moved. Referred to as 'sliding'.

**3.** The movement of geometric figure by rotating, sliding, flipping, or changing the size.

**4.** A two-dimensional surface by two intersecting and perpendicular number lines on which points are plotted and located by their x and y coordinates.

**5.** Transformations that create similar figures of larger or smaller sizes.

**6.** When you flip a figure over the x-axis or the y-axis.

**9.** On a coordinate plane, the _____-_____ is the vertical line.

## Word Bank

| | | | |
|---|---|---|---|
| Rigid Transformation | x-axis | Transformations | Congruent |
| Translation | Preimage | Reflection | Dilations |
| Rotation | Center | Image | Coordinate Plane |
| y-axis | | | |