TRANSFORMATION

Transformation means to change. Hence, a geometric transformation would mean to make some changes in any given geometric shape.

Transformation involves moving an **object** from its original position to a new position. The object in the new position is called the **image**. Each point in the object is mapped to a corresponding point in the image.
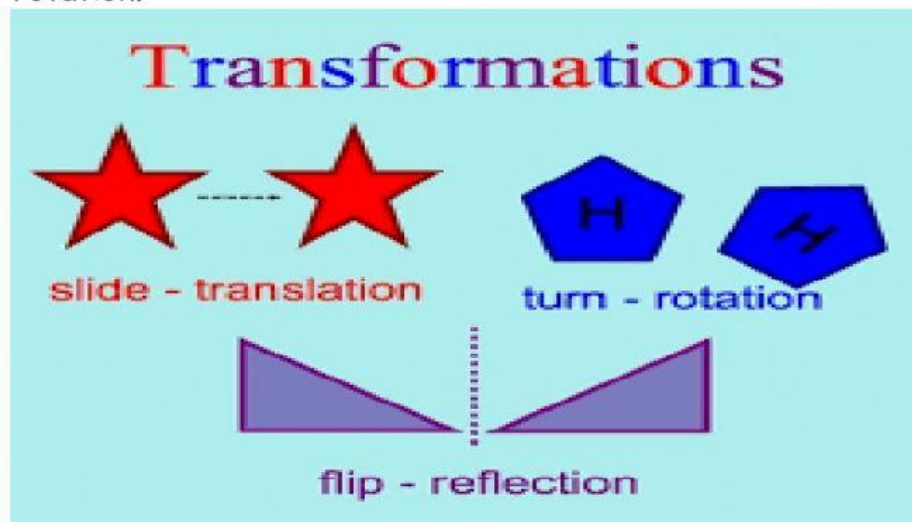
Translation
  involves "sliding" the object from one position to another.
Reflection
  involves "flipping" the object over a line called the line of reflection.
Rotation
  involves "turning" the object about a point called the center of rotation.

Multiple Choice

Choose the correct image which shows the transformation of each figure.

1) Reflection of ⬠ ?

   a)   b)   c)

2) Translation of ↱ ?
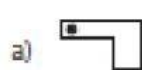
   a)   b)   c)

3) Rotation of ⬠ ?

   a)   b)   c)

4) Reflection of ☆ ?

   a)   b)   c)

5) Translation of ▱ ?

   a)   b)   c)

6) Rotation of ⬡ ?

   a)   b)   c)

7) Reflection of ⌐ ?

   a)   b)   c)

8) Translation of ⬟ ?

   a)   b)   c)