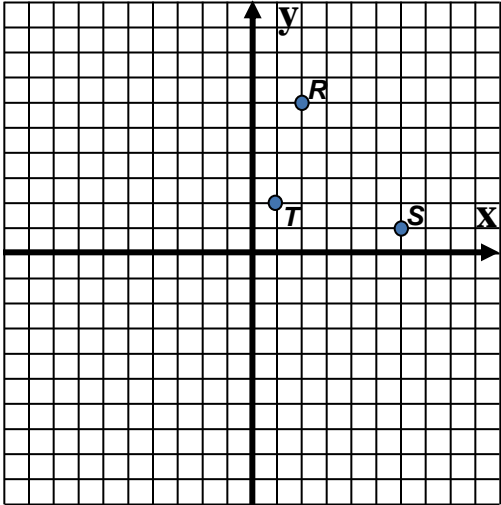
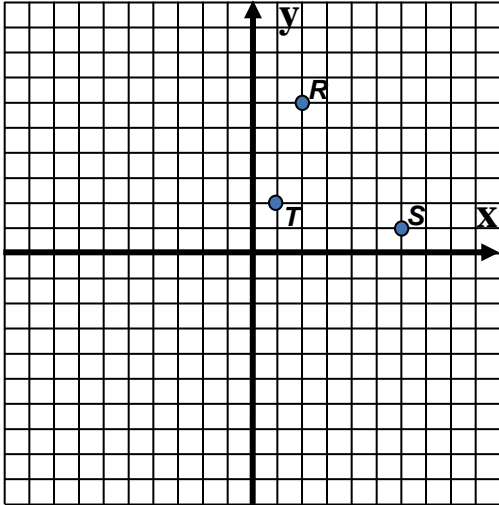


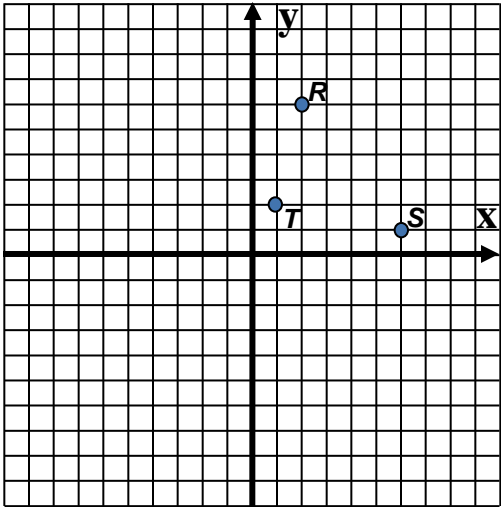
Rotate 90° clockwise



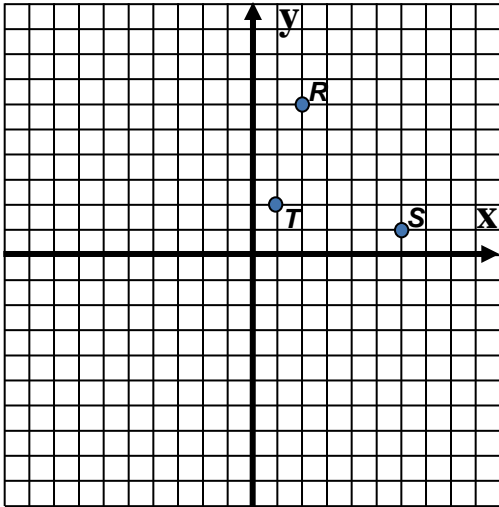
Rotate 90° counter-clockwise



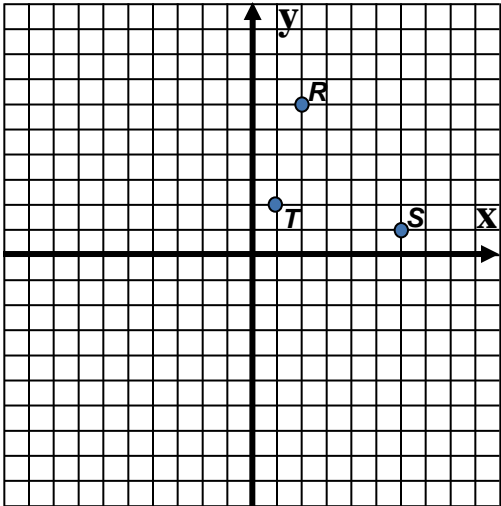
Rotate 180° clockwise



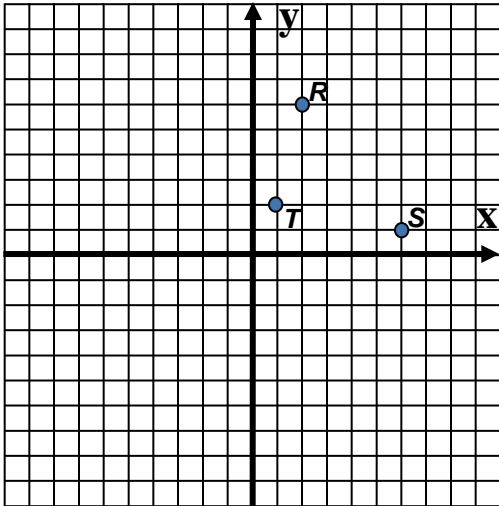
Rotate 180° counter-clockwise



Rotate 270° clockwise



Rotate 270° counter-clockwise

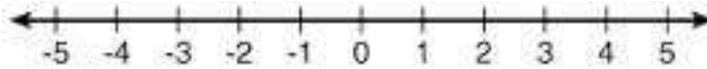
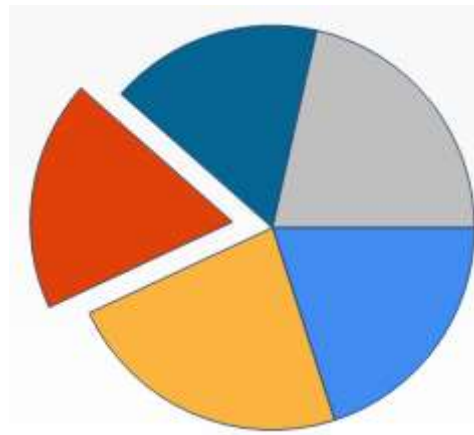


## Tessellations:

Must cover the entire plane with no \_\_\_\_\_ or \_\_\_\_\_.  
A figure tessellates if its interior angle is a factor of \_\_\_\_\_.  
Only three regular figures tessellate a plane.

Interior  $\angle$  : \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

A gap occurs, like in the pie chart, when sum of angles is \_\_\_\_\_ than 360. An overlap occurs when the sum of angles is \_\_\_\_\_ than 360.



## Scaling Factor:

Enlargement:  $|k| > 1$

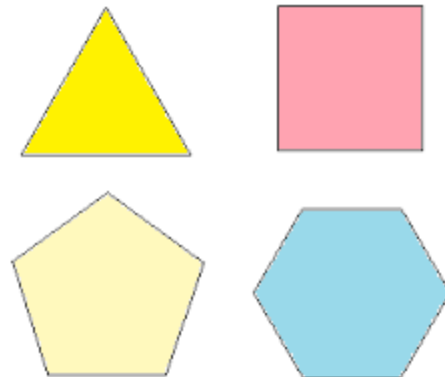
Congruence Transformation:  $|k| = 1$

Reduction:  $|k| < 1$

$R = -4$		$R = .25$	
$R = -1$		$R = 1$	
$R = -.75$		$R = 1.67$	

## Rotational Symmetry:

		Rotational Symmetry	
Figure	Nbr of Sides	Order	Magnitude
Triangle			
Square			
Pentagon			
Hexagon			



## Symmetry:

A line is a line of symmetry if the figure can be folded in half over the line and the figure matches up exactly

