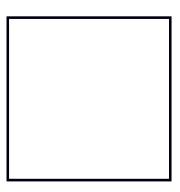
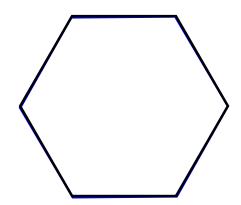
1.7 Reflectional and Rotational Symmetry You can look at your reflection 100 times today, that pimple isn't going anywhere

Rotational Symmetry

Rotational Symmetry is the amount of degrees you must turn an object so it looks exactly the same

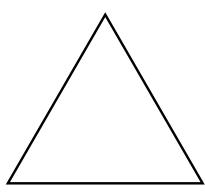


For REGULAR POLYGONS use the following formula to find out how much you must turn an object to cary onto itself

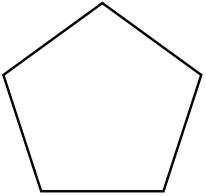


Angle of rotation = n = # of sides

What is the minimum amount of degrees you must rotate each REGULAR polygon to carry it onto itself.



Angle of rotation =



Angle of rotation = $\frac{360}{}$

What is the minimum amount of degrees you must rotate each REGULAR polygon to carry it onto itself.

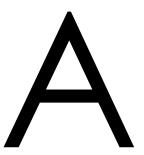


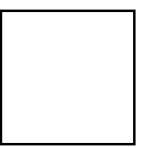


Lines of Symmetry

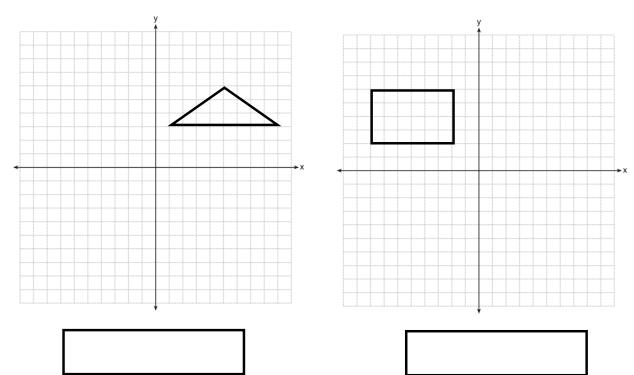
The "Line of Symmetry" is the line where you could fold the image and have both halves match exactly.

Draw lines of symmetry that carry the figure onto itself





Draw all lines of symmetry. State the reflection that would carry the figures onto themselves



Independent Practice

independent ridence					
What is the definition of a regular polygon?					
What is the minimum amount of degrees you must rotation each REGULAR polygon to carry it onto itself					
Angle of Rotation:					
A regular polygon with 12 sides.					
Angle of Rotation: Angle of Rotation: Angle of Rotation:					
What is the minimum amount of degrees you must rotation each polygon to carry it onto itself					
S					

Draw all lines of symmetry. State the reflection that would carry the figures onto themselves