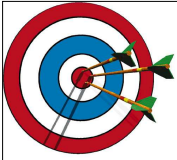


Unit 3 - Transformations: 3.6



Transformations and Congruency

Today's Learning Targets:

3.6 I can perform a series of transformations to prove or disprove that two given figures are congruent.

VOCAB

Congruent



Side Lengths and Angles are _____.

Same _____ and Same _____.

Translation			Reflection		
Action	Characteristics	Rule	Action	Characteristics	Rule
Congruent? Yes or No			Congruent? Yes or No		
Transformations					
Rotation			Dilation		
Action	Characteristics	Rule	Action	Characteristics	Rule
Congruent? Yes or No			Congruent? Yes or No		

Unit 3 - Transformations: 3.6

Translations of Polygons

Prove the triangles are congruent.

1. _____

2. _____

Reflections of Polygons

Prove the trapezoids are congruent.

1. _____

2. _____

Rotations of Polygons

Prove the pentagon are congruent.

1. _____

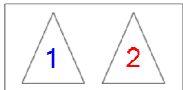
2. _____

Unit 3 - Transformations: 3.6

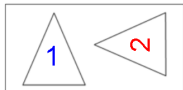
Moving Figures

For each of the following pairs, describe a series of transformations that would generate the second triangle from the first.

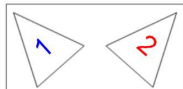
What is the relationship between two triangles?



- _____
- _____

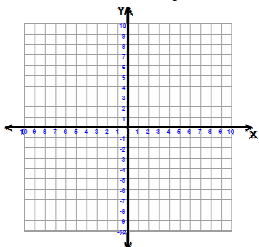


- _____
- _____

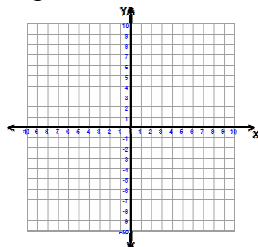


- _____
- _____

Draw a triangle. Use 2 different rigid motions to make a second figure. Then describe the transformations that were made. Compare and contrast your first figure to the second.



1. _____
2. _____



1. _____
2. _____
