

Math Intervention

TANYA YERO Teaching💡

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How to use the materials Included

Pretest and Item Analysis sheet is designed to pinpoint exactly where your students' needs are.

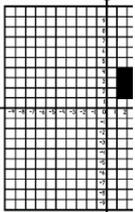
Name: _____ Date: _____
Geometry Pre-test 8.G.1 - 8.G.5

1.) Check the correct box(es):

- translation
- rotation
- reflection



3.) What will be the up of this figure reflected



5.) You move a picture in the mirror into the position it was originally in. Check the correct box(es) that describe this situation.

- dilation
- rotation
- translation
- reflection
- isometry

Name: _____ Date: _____
Geometry Pre-test 8.G.1 - 8.G.5

7.) If point (3, 4) is dilated from the origin to become point (10.5, 14), what scale factor was used?

8.) Describe a sequence of transformations that would allow $\triangle ABC$ to become $\triangle DEF$. The vertices of $\triangle ABC$ are (-2, 2), (-5, 2), and (-2, 4), and the vertices of $\triangle DEF$ are (7, 2), (7, 4), and (10, 2).

9.) In $\triangle ABC$, $\angle B = 66^\circ$. $\angle C$ forms a straight angle with $\angle D$ and $\angle E$. $\angle D = 108^\circ$ and $\angle E = 19^\circ$. Find $\angle C$ and $\angle A$.

10.) $\triangle ABC$ has angles that measure 80, 55, and 55 degrees; one of its side lengths is 38. $\triangle DEF$ has angles that measure 80, 55, and 55 degrees; one of its side lengths is 10. Select the correct word from the options, and then explain your answer:

- These triangles (must be/can be/cannot be) congruent.
- These triangles (must be/can be/cannot be) similar.

Item Analysis Data Sheet Per Student
Geometry Pre-test 8.G.1 - 8.G.5

Student Name: _____

#'s	Standard	Procedural Understanding	Conceptual Understanding	(M) Missed
#1	8.G.1	X		
#2	8.G.1		X	
#3	8.G.2	X		
#4	8.G.2		X	
#5	8.G.3	X		
#6	8.G.3		X	
#7	8.G.4	X		
#8	8.G.4		X	
#9	8.G.5	X		
#10	8.G.5		X	

Printables are included for reviewing procedural and conceptual understanding for each standard/topic.

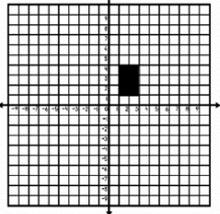
Name: _____
 Geometry Pre-test 8.G.1 - 8.G.5

1.) Check the correct box(es):

- translation
- rotation
- reflection



3.) What will be the upper right vertex of this figure reflected over the y axis?



5.) You move a plant so that it is in the mirror image of the position it was originally in.

- Check the correct boxes to describe the transformation.
- dilation
 - rotation
 - translation
 - reflection
 - isometry

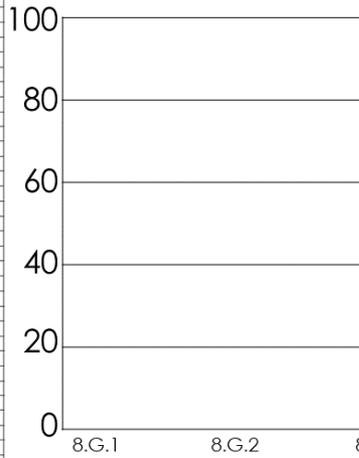
Student initials go in top row. X means the student missed the question.

Item Analysis Data Sheet for Class
 Geometry Pre-test 8.G.1 - 8.G.5

Item #	8.G.1	8.G.2	8.G.3	8.G.4	8.G.5
#1					
#2					
#3					
#4					
#5					
#6					
#7					
#8					
#9					
#10					

Quick Check Assess
 Geometry Pre-te

Student Name: _____



Intervention time spent:

Pre-test score:

Post-test score:

Item Analysis Data Sheet Per Student
 Geometry Pre-test 8.G.1 - 8.G.5

Student Name: _____

?'s	Standard	Procedural Understanding	Conceptual Understanding	(M) Missed
#1	8.G.1	X		
#2	8.G.1		X	
#3	8.G.2	X		
#4	8.G.2		X	
#5	8.G.3	X		
#6	8.G.3		X	
#7	8.G.4	X		
#8	8.G.4		X	
#9				
#10	8.G.5		X	

Resources for every step of intervention!

Name: _____
 Geometry Pre-test 8.G.1 - 8.G.5

7.) If point P is dilated from the origin on a coordinate grid with a scale factor of 2, what are the coordinates of the image of P?

8.) Describe a sequence of transformations that will map $\triangle ABC$ onto $\triangle DEF$. The vertices of $\triangle ABC$ are $(1, 2)$, $(3, 2)$, $(3, 4)$. The vertices of $\triangle DEF$ are $(7, 2)$, $(7, 4)$, $(7, 6)$.

9.) In $\triangle ABC$, $\angle B = 66^\circ$. $\angle C$ forms a straight line with $\angle D = 108^\circ$ and $\angle E = 19^\circ$. Find $\angle C$ and $\angle A$.

10.) $\triangle ABC$ has angles that measure 80, 55, and 45 degrees. $\triangle DEF$ has angles that measure 80, 55, and 45 degrees. The side lengths of $\triangle ABC$ are 10, 15, and 20. The side lengths of $\triangle DEF$ are 20, 30, and 40. Select the correct word from the answer:

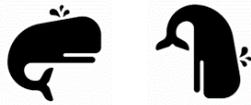
a. These triangles (must be/can be/cannot be) similar.

b. These triangles (must be/can be/cannot be) congruent.

Name: _____
 Geometry Pre-test 8.G.1 - 8.G.5

1.) Check the correct box(es):

- translation
- rotation
- reflection



3.) Check the correct box:

- translation
- rotation
- reflection



5.) Check the correct box:

- translation
- rotation
- reflection



Name: _____
 Geometry Pre-test 8.G.1 - 8.G.5

1.) A triangle with a center at $(-1, 2)$ is translated on a coordinate grid so that its center is now at $(3, 2)$. Describe the translation in terms of direction and distance.

2.) A quadrilateral with a center at $(-2, 1)$ is translated on a coordinate grid so that its center is now at $(2, 1)$. Describe the translation in terms of direction and distance.

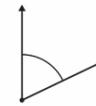
3.) A sphere with a center at $(-1, 3)$ is translated on a coordinate grid so that its center is now at $(-1, 5)$. Describe the translation in terms of direction and distance.

4.) A rectangle with a center at $(-3, 4)$ is translated on a coordinate grid so that its center is now at $(-3, 7)$. Describe the translation in terms of direction and distance.

5.) A rhombus with a center at $(-4, 1)$ is translated on a coordinate grid so that its center is now at $(-4, 5)$. Describe the translation in terms of direction and distance.

Name: _____
 Geometry Pre-test 8.G.1 - 8.G.5

1.) Draw the image of the angle shown on a coordinate grid so that the angle is rotated 90 degrees counterclockwise.



3.) Describe the effect that reflecting a triangle will have on its area.

5.) A sphere with a center at $(-10, -20)$ is translated on a coordinate grid so that its center is now at $(-10, 25)$. Describe the translation in terms of direction and distance.

Date: _____

1.) Check the correct box(es):

- translation
- rotation
- reflection



4.) An angle with a vertex at $(-3, -6)$ is translated on a coordinate grid so that its center is now at $(-3, 7)$. Describe the translation in terms of direction and distance.

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TANYA YERO



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