

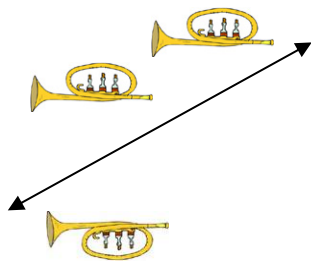
Name: \_\_\_\_\_

Date \_\_\_\_\_

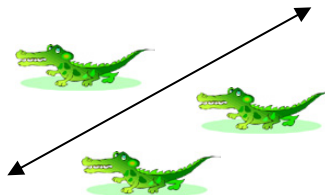
### Glide Reflections - Worksheet 1

#1 -6 and #9: Determine if each instance is an example of a glide reflection.

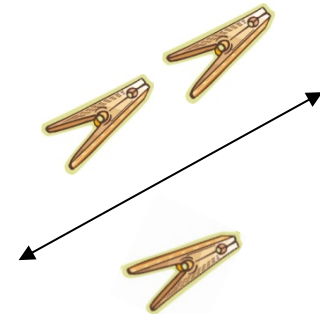
1.



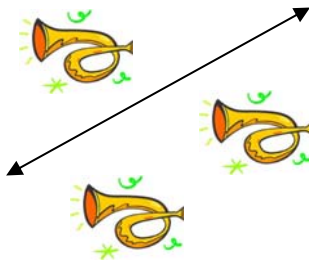
2



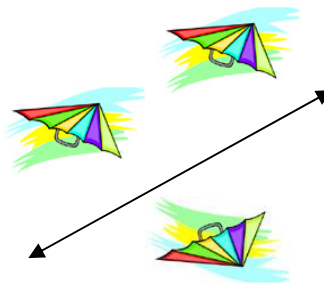
3



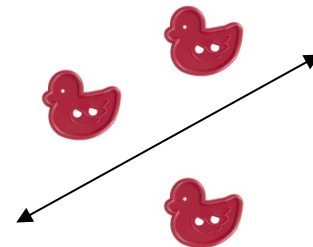
4.



5



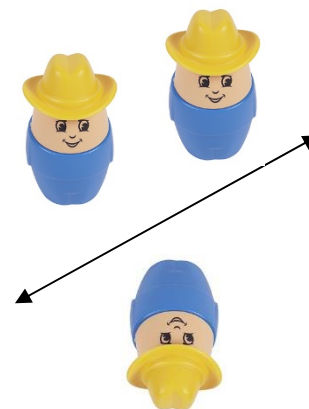
6



7. (T/F): Angle measurements change during a glide reflection.

8 Write a rule for the composition of a dilation of scale factor 4 following a translation of 3 units to the right.

9



10.

Given triangle ABC:

A(3,-2), B(7,-6), C(3,-8)

Graph and label the following composition:

$r_{y=x} \circ r_{x\text{-axis}}$

What single transformation accomplishes these same transformations?



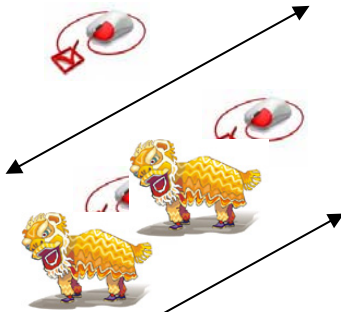
Name: \_\_\_\_\_

Date \_\_\_\_\_

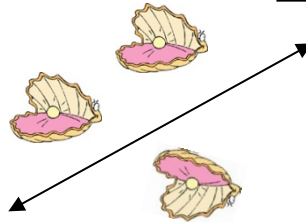
### Compositions and Glide Reflections - Worksheet 2

#1 -6 and #9: Determine if each instance is an example of a glide reflection.

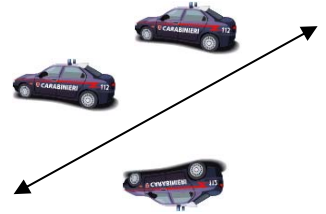
1.



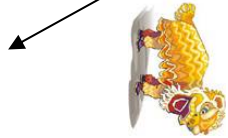
2



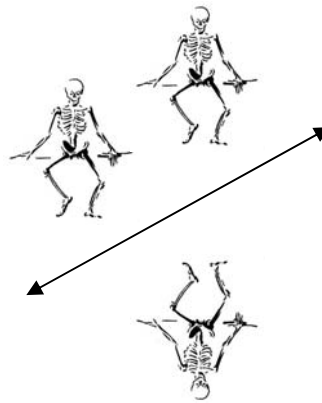
3



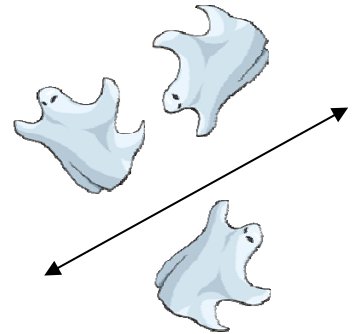
4.



5



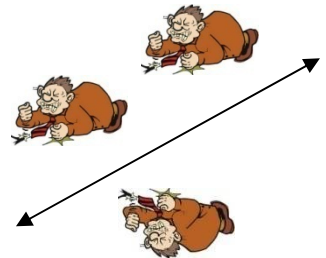
6



7. (T/F): Angle measurements do NOT change during a glide reflection.

8 Write a rule for the composition of a dilation of scale factor 4 following a translation of 1 units to the right.

9



10.

Given triangle PQR:

P(-7,7), Q(-10,2), R(-6,2)

Graph and label the following composition:

$r_{y=x} \circ r_{y\text{-axis}}$

What single transformation accomplishes these same transformations?

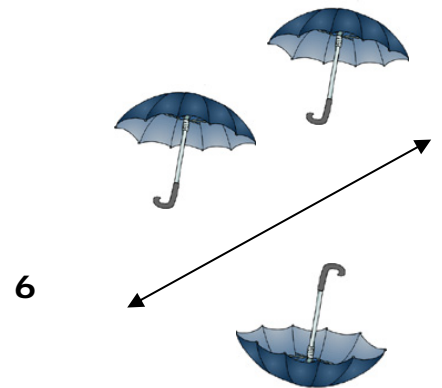
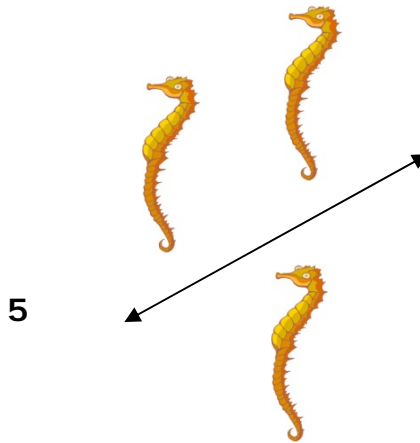
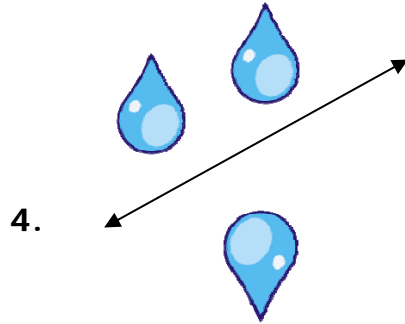
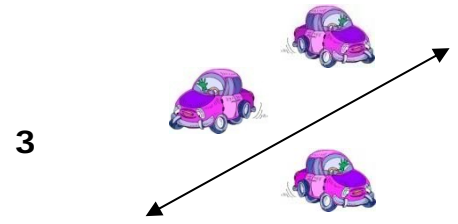
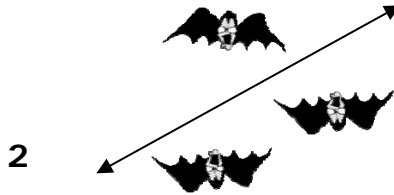
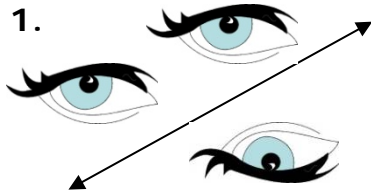


Name: \_\_\_\_\_

Date \_\_\_\_\_

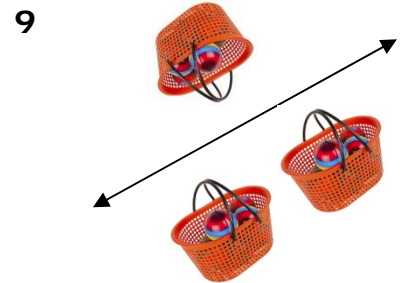
### Compositions and Glide Reflections - Worksheet 3

#1 -6 and #9: Determine if each instance is an example of a glide reflection.



7. (T/F): Angle measurements changes during a glide reflection.

8 Write a rule for the composition of a dilation of scale factor 7 following a translation of 5 units to the right.



10. Given triangle XYZ:  
X(-8,-8), Y(-7,-3), Z(-2,-5)  
Graph and label the following composition:  
 $r_{y=x} \circ r_{y\text{-axis}}$   
What single transformation accomplishes these same transformations?

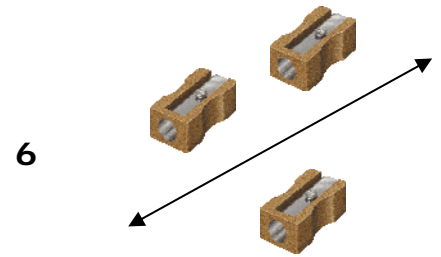
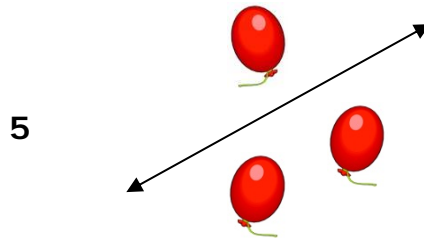
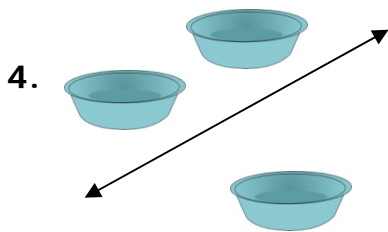
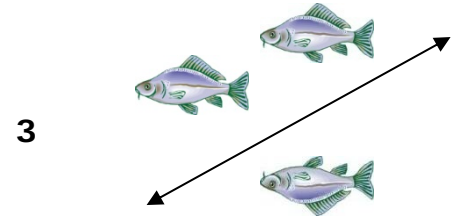
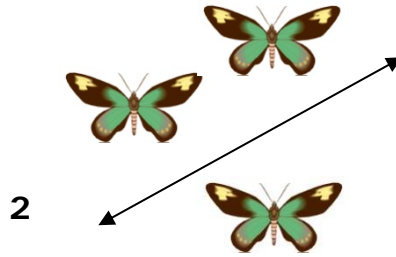
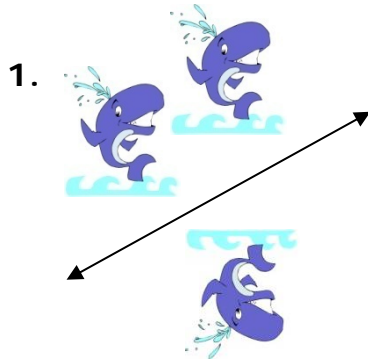


Name: \_\_\_\_\_

Date \_\_\_\_\_

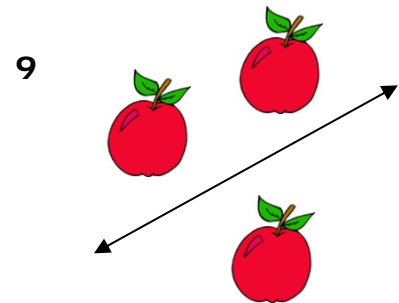
### Compositions and Glide Reflections - Worksheet 4

#1 -6 and #9: Determine if each instance is an example of a glide reflection.



7. (T/F): Angle measurements do Not change during a glide reflection.

8 Write a rule for the composition of a dilation of scale factor 5 following a translation of 2 units to the right.



10. Given triangle ABC:  
A(4,-3), B(9,-6), C(5,-8)  
Graph and label the following composition:

$$\Gamma_{y=x} \circ \Gamma_{x\text{-axis}}$$

What single transformation accomplishes these same transformations?



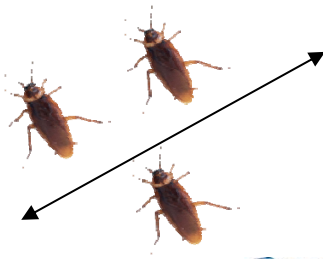
Name: \_\_\_\_\_

Date \_\_\_\_\_

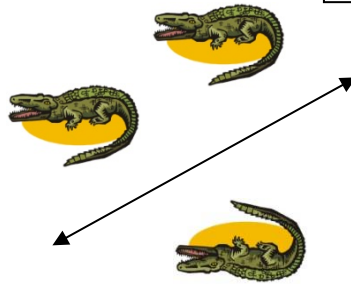
### Compositions and Glide Reflections - Worksheet 5

#1 -6 and #9: Determine if each instance is an example of a glide reflection.

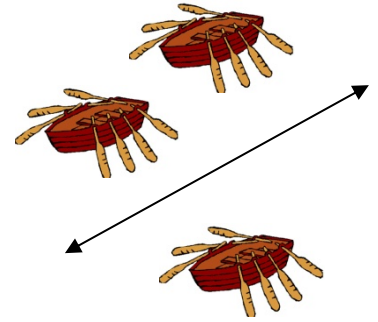
1.



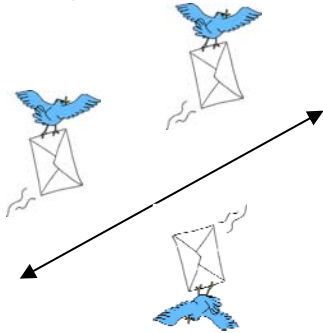
2.



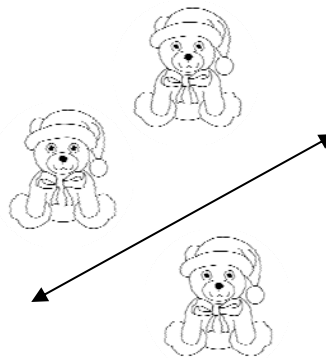
3.



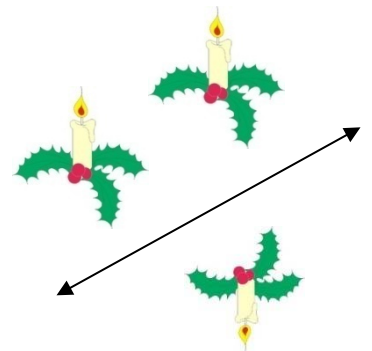
4.



5.



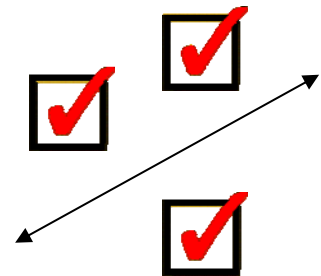
6.



7. (T/F): Angle measurements change during a glide reflection.

8 Write a rule for the composition of a dilation of scale factor 8 following a translation of 6 units to the right.

9



10.

Given triangle EFG:

$E(-7,-3)$ ,  $F(-8,-8)$ ,  $G(-5,-9)$

Graph and label the following composition:

$\Gamma_{y=x} \circ \Gamma_{y\text{-axis}}$

What single transformation accomplishes these same transformations?

