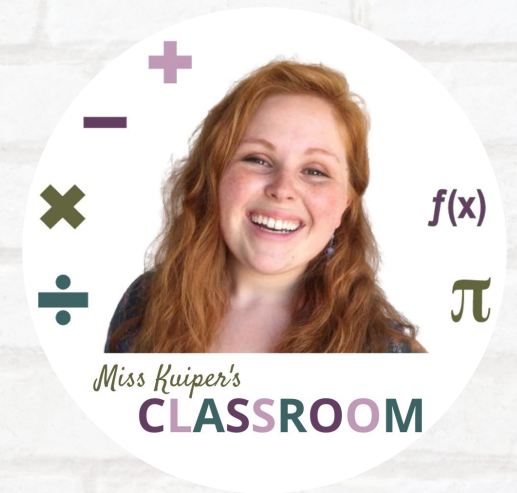


Thank you for previewing the Reflections Worksheets!

If you encounter an issue, whether a typo or a mathematical error or something else, PLEASE contact me and I will be more than happy to help sort it out. I want you to enjoy this product to the fullest. *You can email me here:*

johanna@misskuipersclassroom.com



Math 8 Activities

Free Resources

Worksheet #1

For 9 - 12, identify the line of reflection as "x-axis", "y-axis", or "neither".

9. A point is reflected from Quadrant II to Quadrant I.

10. A point is reflected from $(7, -5)$ to $(-7, 5)$.

11. A point is reflected from $(-7, 5)$ to $(7, 5)$.

12. A point is reflected from Quadrant I to Quadrant IV.

reflected from $(7, -5)$.

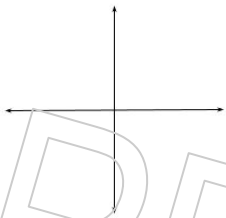
15. A point is reflected from Quadrant III to Quadrant I.

16. A point is reflected from $(7, -5)$ to $(7, 5)$.

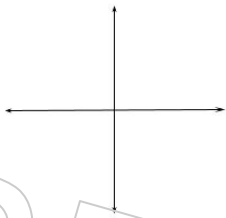
{Reflections in Geometry #1}

Name: _____ Period: _____

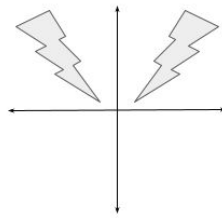
1. Highlight the x-axis.



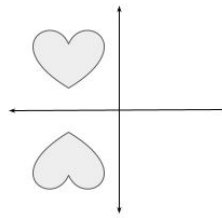
2. Highlight the y-axis.



3. Is this a reflection over the x-axis or the y-axis?

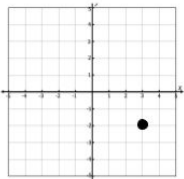


4. Is this a reflection over the x-axis or the y-axis?



Reflect each of these points according to the line of reflection.

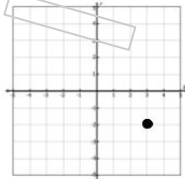
5. Reflect the point over the x-axis.



Pre-image Coordinate: _____

Image Coordinate: _____

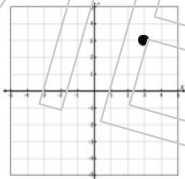
6. Reflect the point over the y-axis.



Pre-image Coordinate: _____

Image Coordinate: _____

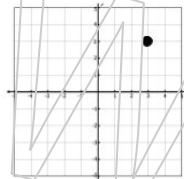
7. Reflect the point over the x-axis.



Pre-image Coordinate: _____

Image Coordinate: _____

8. Reflect the point over the y-axis.

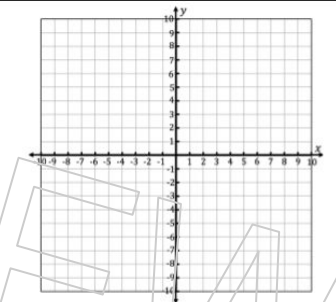
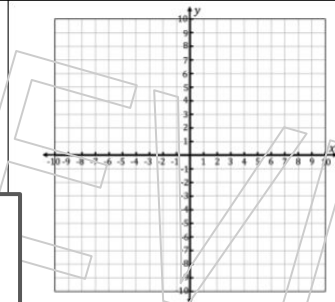
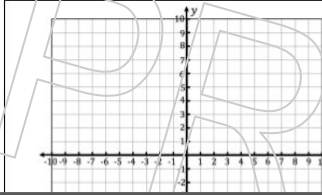


Pre-image Coordinate: _____

Image Coordinate: _____

Worksheet #2

For each of these graphs, draw a shape, label the vertices and reflect it over an axis. Record the pre-image and image coordinates.



reflected the shape over the _____

I reflected the shape over the _____

Pre-Image

Image

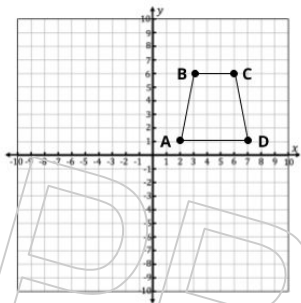
Pre-Image

Image

{Reflections in Geometry #2}

Name: _____ Period: _____

1. Reflect the shape over the y-axis.



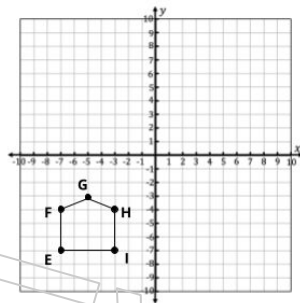
Pre-Image

A:
B:
C:
D:

Image

A':
B':
C':
D':

2. Reflect the shape over the x-axis.



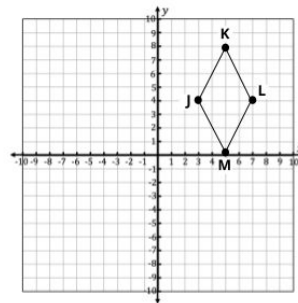
Pre-Image

E:
F:
G:
H:
I:

Image

E':
F':
G':
H':
I':

3. Reflect the shape over the y-axis.



Pre-Image

J:
K:
L:
M:

Image

J':
K':
L':
M':

4. Looking at Problem 1 & 3, what do you notice about the coordinates from the pre-image to the image?

5. Using your observation, what would the algebraic representation for reflections of the y-axis be?

6. Looking at Problem 2, what do you notice about the coordinates from the pre-image to the image?

7. Using your observation, what would the algebraic representation for reflections of the x-axis be?

Digital Versions of the Worksheet

docs.google.com/presentation/d/1AgcWuA1gejkQHRdnNyPSycAnfZaXM8EprlffzQ0fGe4/edit#slide=id.g785afbc06a_0_10

Reflections Worksheet #1

File Edit View Insert Format Slide Arrange Tools Add-ons Help Last edit was seconds ago

Present Share


Directions

Use the yellow boxes for problems 1 & 2.

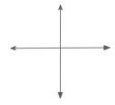
Directions

Move the red dot to show the translation.

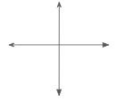
Click the "Click to add text" to type in your answers.

Use the  tool to zoom in.

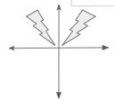
1. Highlight the y-axis.



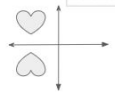
2. Highlight the x-axis.



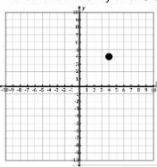
3. Is this a reflection over the x-axis or the y-axis?



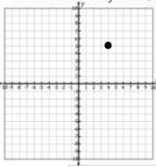
4. Is this a reflection over the x-axis or the y-axis?



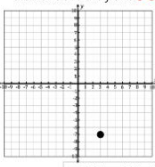
5. Reflect the point over the x-axis and the y-axis.



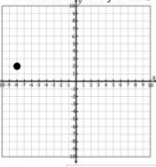
6. Reflect the point over the x-axis and the y-axis.



7. Reflect the point over the x-axis and the y-axis.



8. Reflect the point over the x-axis and the y-axis.



Pre-image: Click to add text

x-axis image: Click to add text

y-axis image: Click to add text

9. A point is reflected from Quadrant II to Quadrant I.

10. A point is reflected from (7, -5) to (7, 5).

11. A point is reflected from (-7, 5) to (7, 5).

12. A point is reflected from Quadrant I to Quadrant IV.

13. A point is reflected from (-7, -5) to (7, -5).

14. A point is reflected from Quadrant III to Quadrant IV.

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Click to add speaker notes

Google Forms Activities

Reflections

Reflections: Worksheet #1

1. Define reflection. (either math related or not)

Your answer

2. What are some examples of where you would see reflections in the world?

Your answer

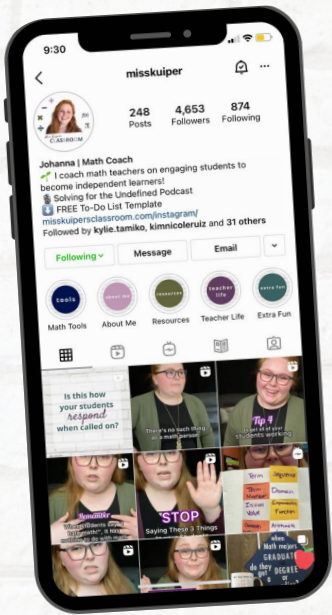
3. Is this a reflection over the x-axis or the y-axis?

1 point

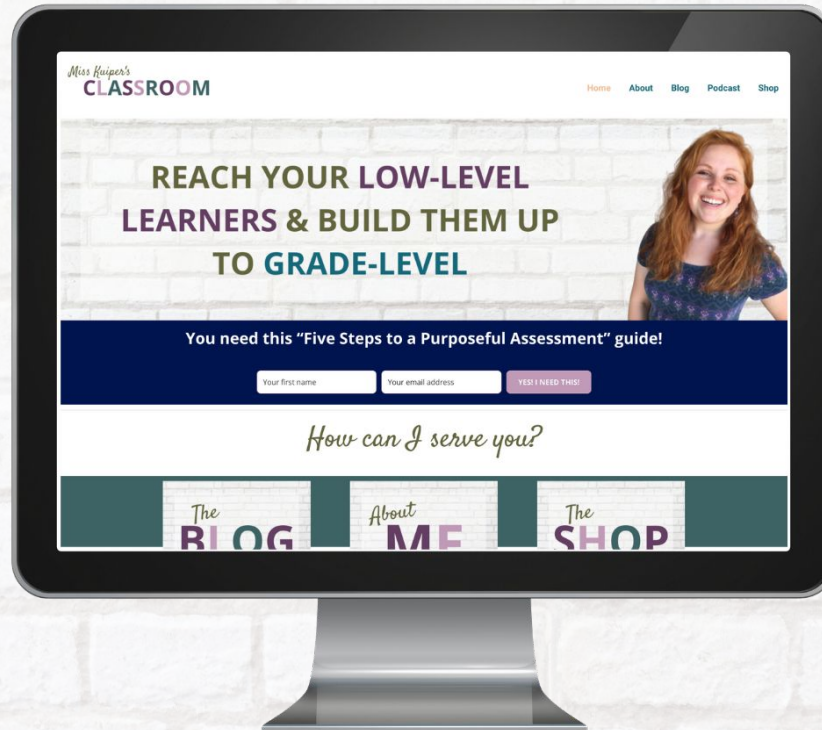


What Next?

You can read about how to reach your low-level learners and build them up to grade-level!



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