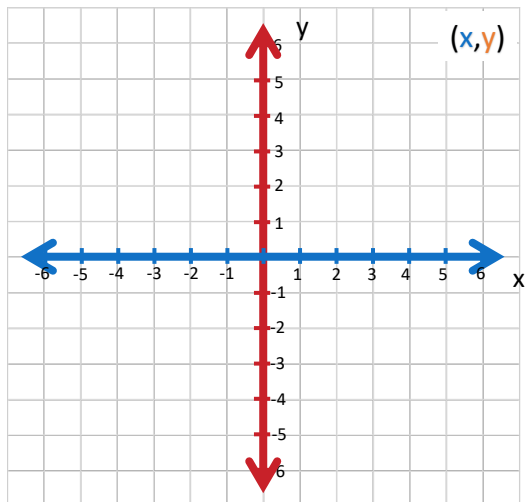
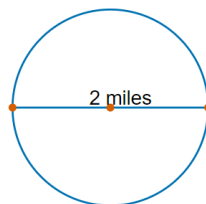


Warmup

1. Use the points A:(3,-4), B:(3,-6), C:(5,-6), D:(5,-4) to graph a polygon, then identify it.



2. What is the radius of the circle? _____
Find the area of the circle. (Use 3.14 for π)



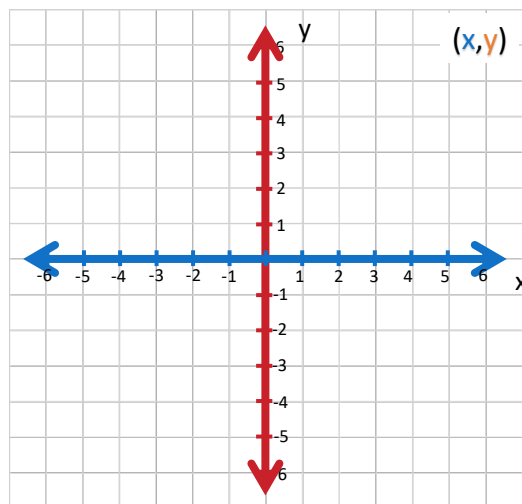
I. Transformations

Transformation: The changing of a figure on a plane or coordinate system.

Reflection: a transformation in which a shape of figure is _____ across a line.

Translation: a transformation in which a shape of figure is _____

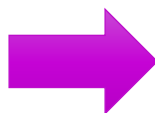
Reflect the quadrilateral from Warmup #1 through the x-axis.



Reflect the arrow over the green line

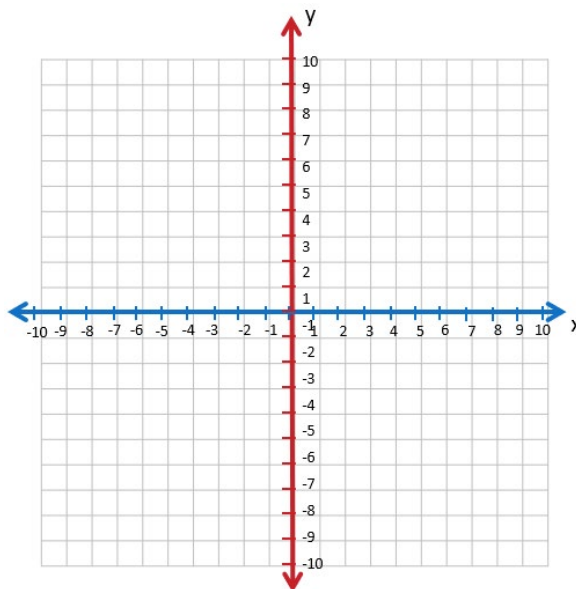
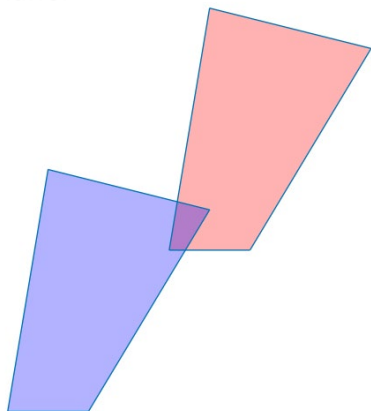


Translate the arrow $1\frac{1}{2}$ inches to the right

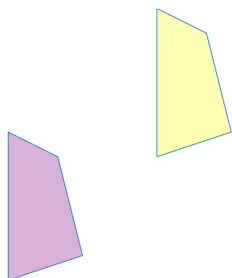


II. Translations

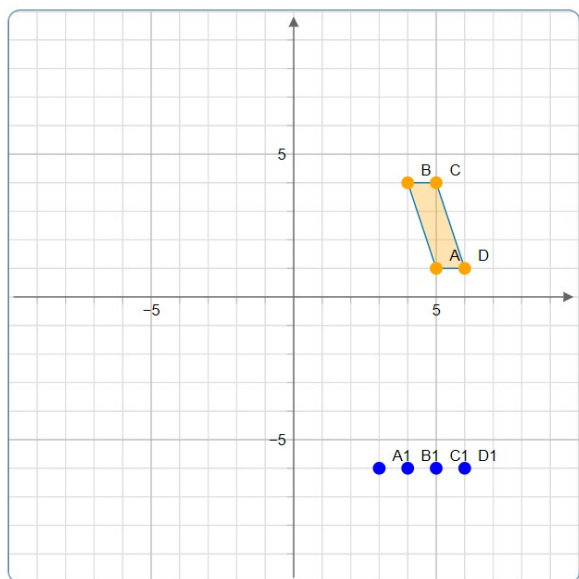
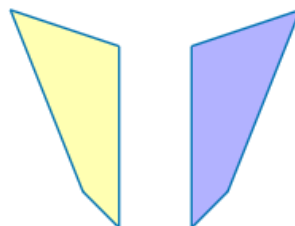
A translation is a move of the shape over the plane.



3. What transformation is shown?



4. What transformation is shown?

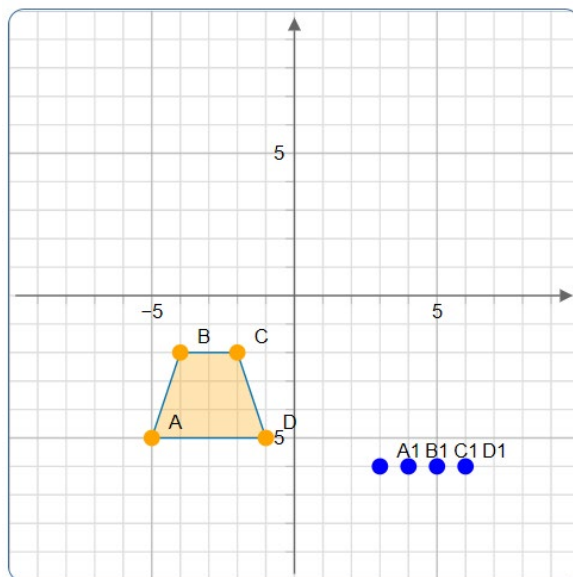


Plot the translation of the quadrilateral 3 to the right, and 1 to the up.

Quadrilateral ABCD is best defined as a

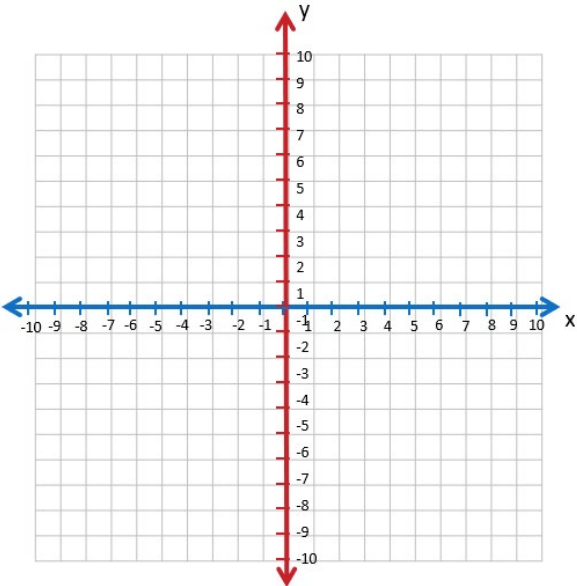
6. Plot the translation of the quadrilateral 2 to the left and 6 up.

Quadrilateral ABCD is best defined as a

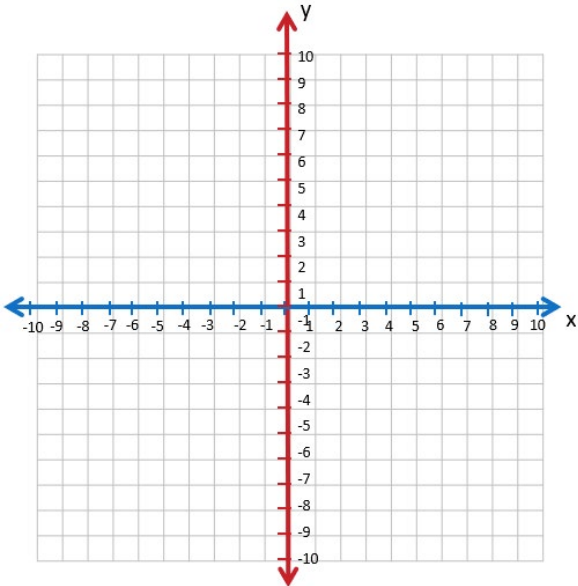


III. Practice

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