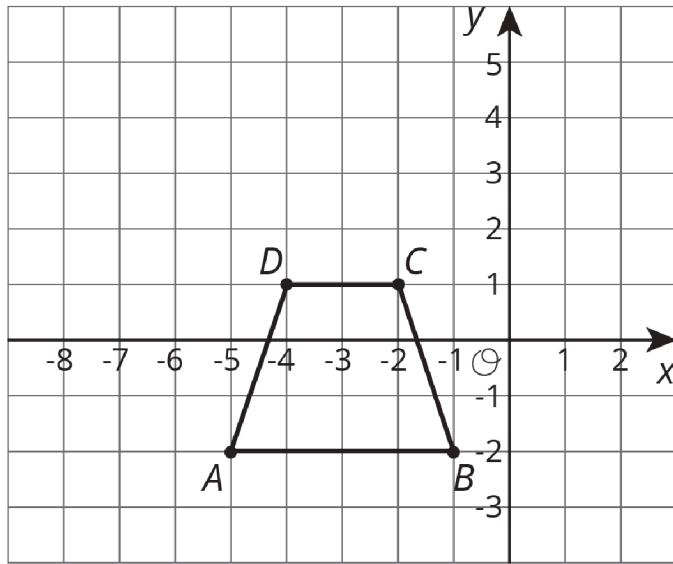


Card Sort: Matching Dilations on a Coordinate Plane

1



Dilate the trapezoid using center $(-1, -2)$ and scale factor $\frac{3}{2}$.

Card Sort: Matching Dilations on a Coordinate Plane

C

The polygon with vertices at:

$$A' = (-7, -2)$$

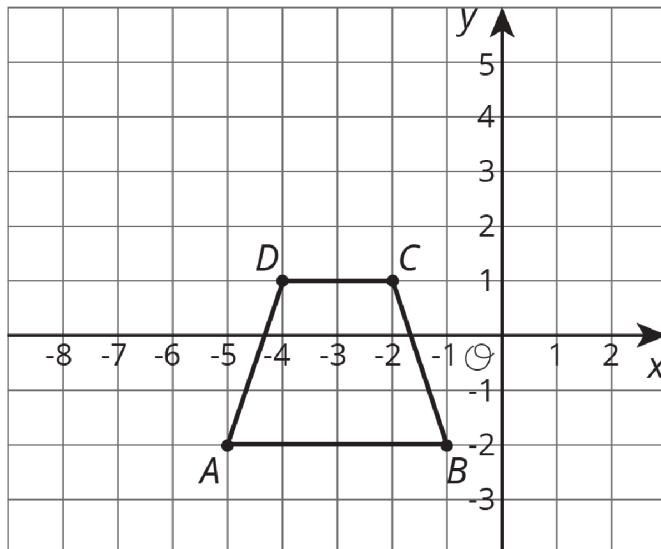
$$B' = (-1, -2)$$

$$C' = (-2\frac{1}{2}, 2\frac{1}{2})$$

$$D' = (-5\frac{1}{2}, 2\frac{1}{2})$$

Card Sort: Matching Dilations on a Coordinate Plane

2



Dilate the trapezoid using center $(-3, 4)$ and scale factor $\frac{1}{2}$.

Card Sort: Matching Dilations on a Coordinate Plane

A

The polygon with vertices at:

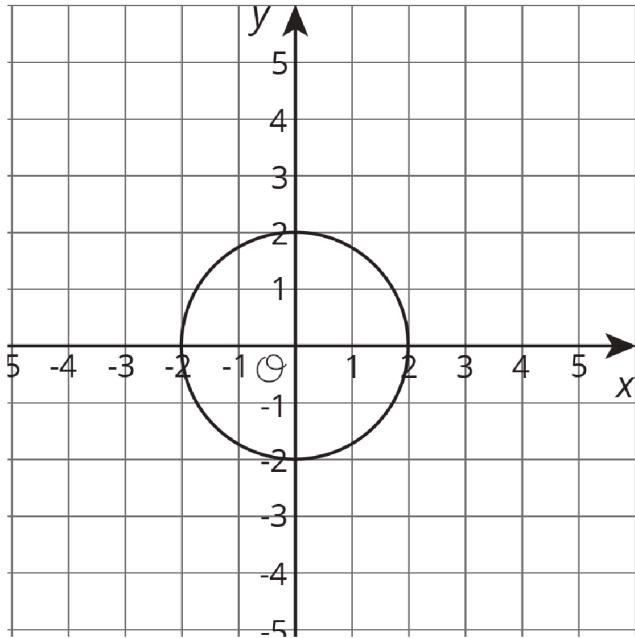
$$A' = (-4, 1)$$

$$B' = (-2, 1)$$

$$C' = (-2\frac{1}{2}, 2\frac{1}{2})$$

$$D' = (-3\frac{1}{2}, 2\frac{1}{2})$$

Card Sort: Matching Dilations on a Coordinate Plane

3

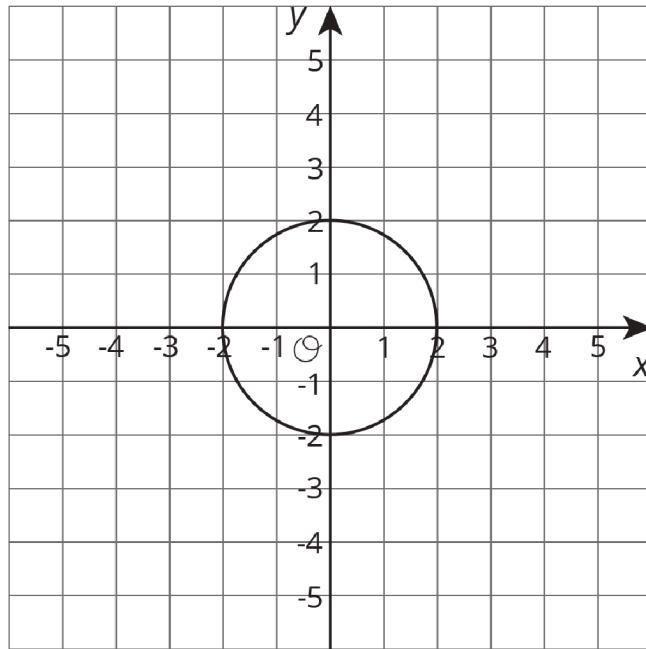
Dilate the circle using center $(0, 0)$ and scale factor 2.

Card Sort: Matching Dilations on a Coordinate Plane

B

The circle with center $(0, 0)$ and radius 4.

Card Sort: Matching Dilations on a Coordinate Plane

4

Dilate the circle using center $(0, 0)$ and scale factor $\frac{1}{2}$.

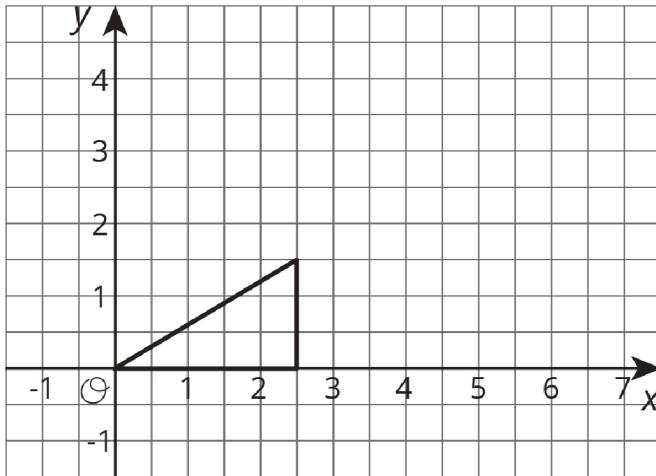
Card Sort: Matching Dilations on a Coordinate Plane

E

The circle with center $(0, 0)$ and radius 1.

Card Sort: Matching Dilations on a Coordinate Plane

5



Dilate the triangle using center $(0, 0)$ and scale factor 2.

Card Sort: Matching Dilations on a Coordinate Plane

5

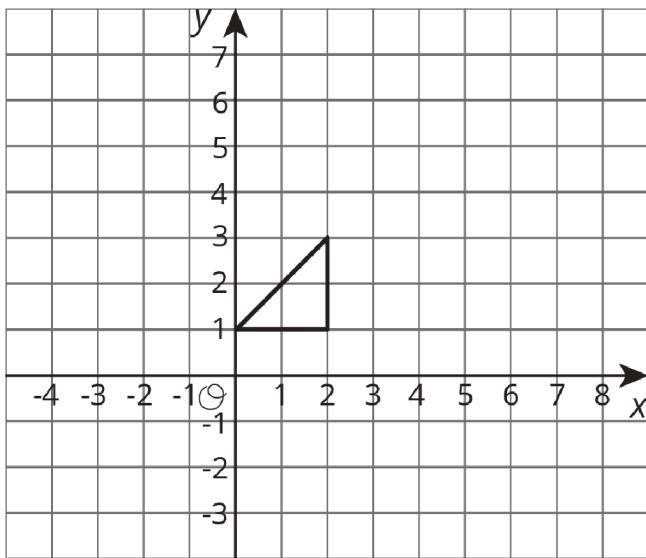
Card Sort: Matching Dilations on a Coordinate Plane

D

The polygon with vertices at $(2, 3)$, $(5, 3)$, and $(5, 6)$.

Card Sort: Matching Dilations on a Coordinate Plane

6



Dilate the triangle using center $(-4, -3)$ and scale factor 1.5.