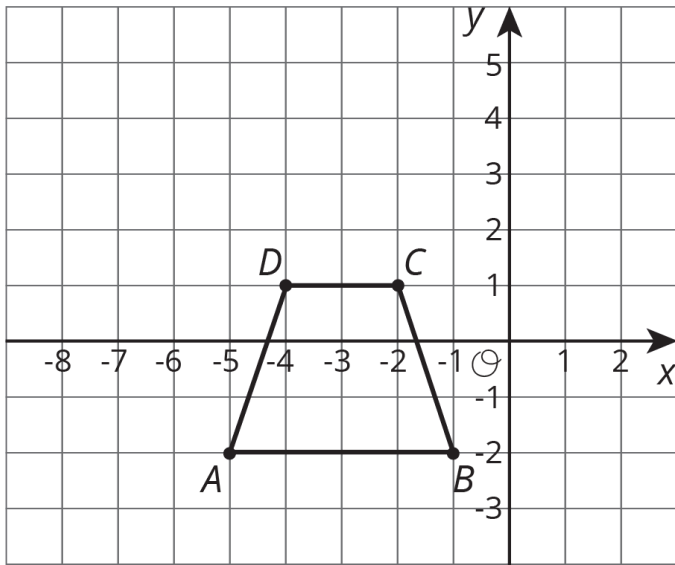


Card Sort: Matching Dilations on a Coordinate Grid

1.



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

Card Sort: Matching Dilations on a Coordinate Grid

C.

The polygon with vertices at:

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

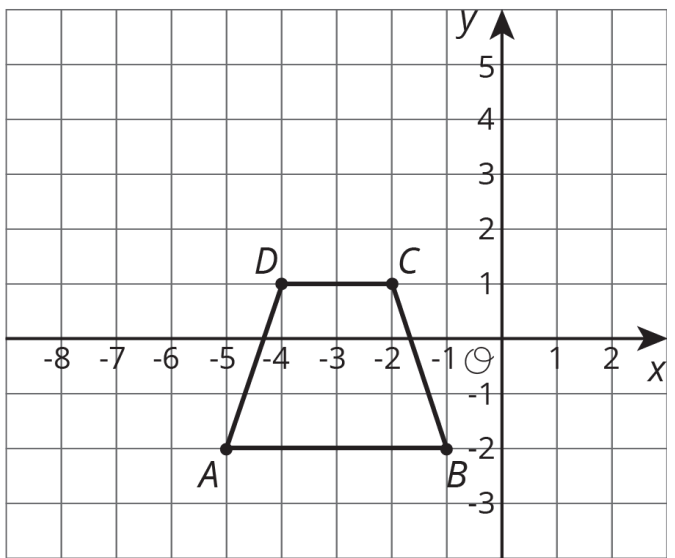
$$B' = (-1, -2)$$

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

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

Card Sort: Matching Dilations on a Coordinate Grid

2.



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

Card Sort: Matching Dilations on a Coordinate Grid

A.

The polygon with vertices at:

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

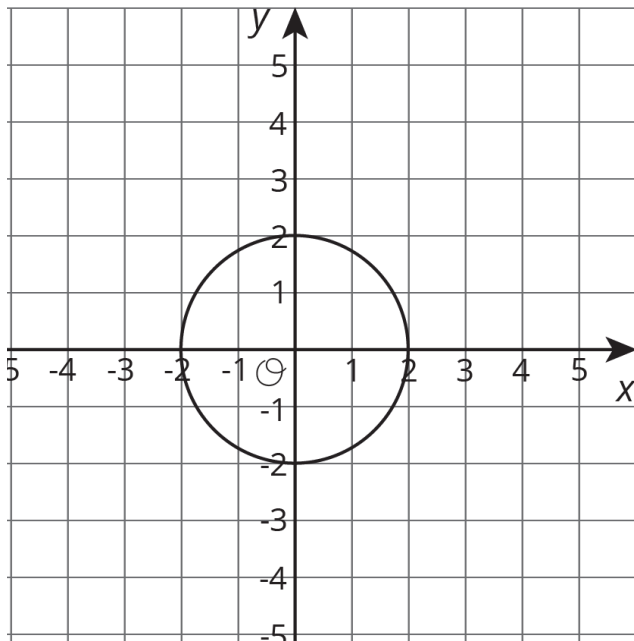
$$B' = (-2, 1)$$

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

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

Card Sort: Matching Dilations on a Coordinate Grid

3.



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

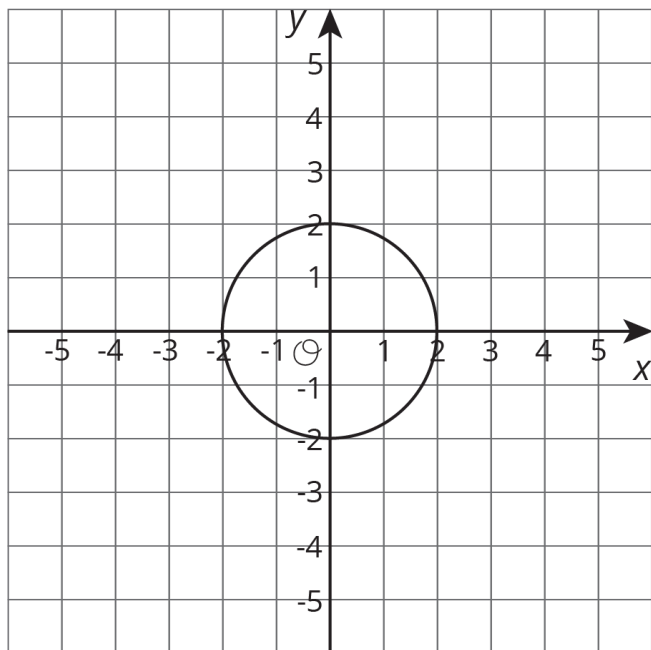
Card Sort: Matching Dilations on a Coordinate Grid

B.

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

Card Sort: Matching Dilations on a Coordinate Grid

4.



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

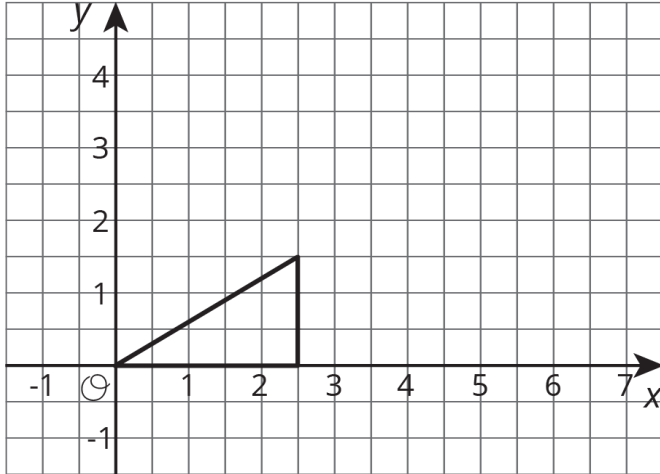
Card Sort: Matching Dilations on a Coordinate Grid

E.

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

Card Sort: Matching Dilations on a Coordinate Grid

5.

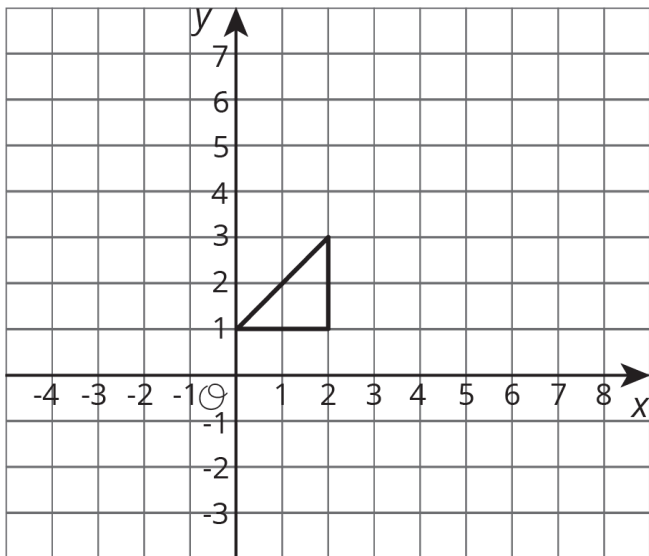


Dilate the triangle using center $(0, 0)$ and scale factor 2.

Card Sort: Matching Dilations on a Coordinate Grid

Card Sort: Matching Dilations on a Coordinate Grid

6.



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

Card Sort: Matching Dilations on a Coordinate Grid

D.

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