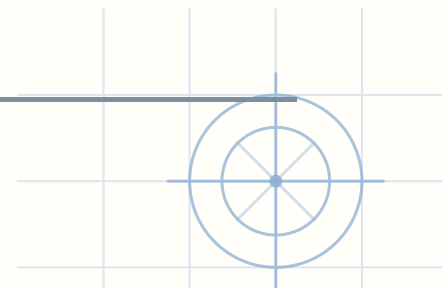


Transformations — Dilating about the origin

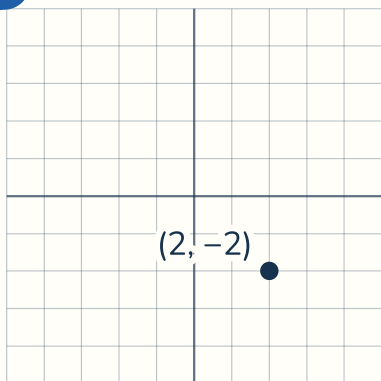
Name: _____

Date: _____

Dilate each point about the origin. Write where it lands.



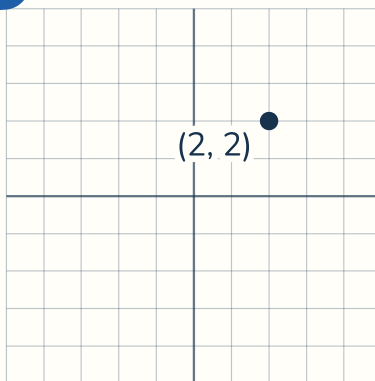
1



by scale factor $\frac{1}{2}$

(____, ____)

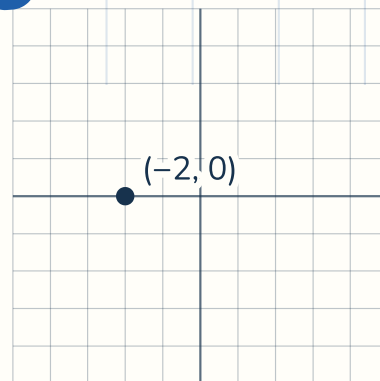
2



scale factor 2

(____, ____)

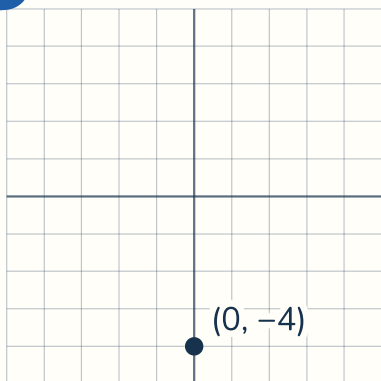
3



by scale factor $\frac{1}{2}$

(____, ____)

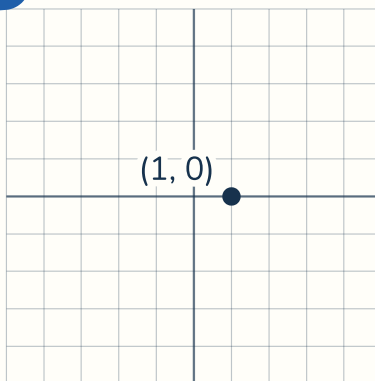
4



by scale factor $\frac{1}{2}$

(____, ____)

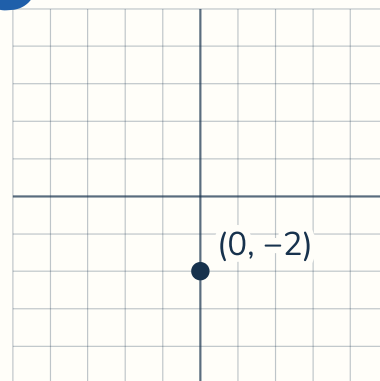
5



scale factor 2

(____, ____)

6



scale factor 2

(____, ____)



Transformations · Dilating about the origin — Answer key

1. (2, -2) by scale factor $\frac{1}{2}$:
(1, -1)

2. (2, 2) scale factor 2: (4,
4)

3. (-2, 0) by scale factor $\frac{1}{2}$:
(-1, 0)

4. (0, -4) by scale factor $\frac{1}{2}$:
(0, -2)

5. (1, 0) scale factor 2: (2,
0)

6. (0, -2) scale factor 2: (0,
-4)

