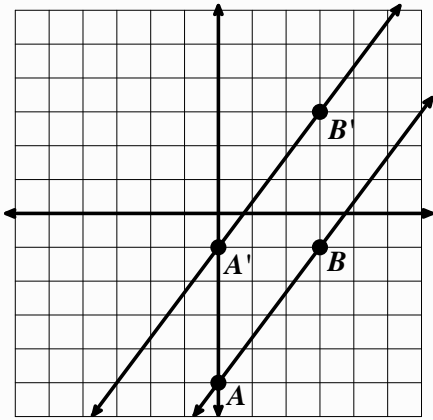


For each set of lines a) determine the transformation performed using all attributes of the transformation, b) determine the equation for the pre-image, c) determine the equation of the image.

1.

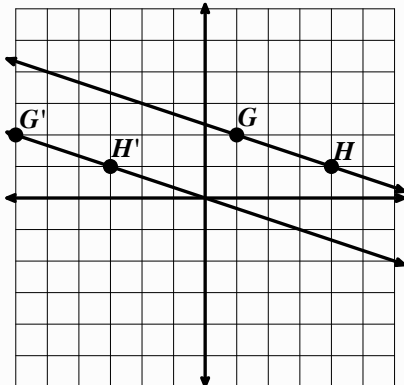


a. Description of Transformation:

b. Equation for pre-image:

c. Equation for image:

3.

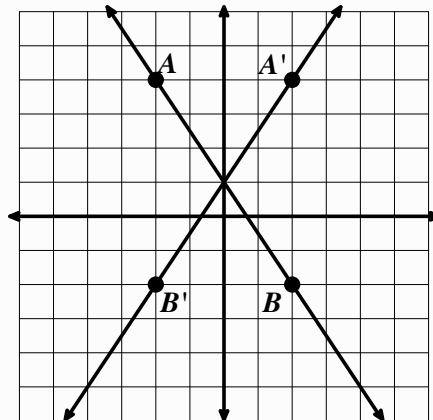


a. Description of Transformation:

b. Equation for pre-image:

c. Equation for image:

2.

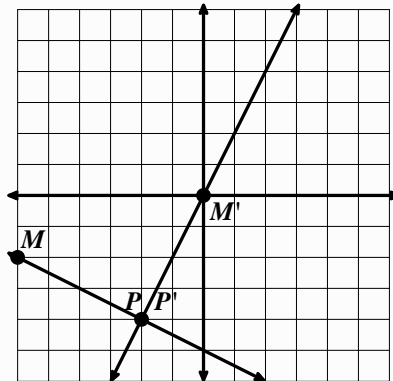


a. Description of Transformation:

b. Equation for pre-image:

c. Equation for image:

4.



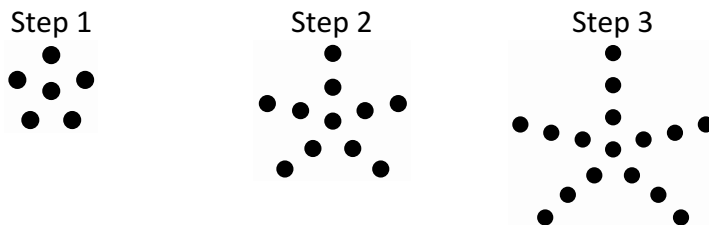
a. Description of Transformation:

b. Equation for pre-image:

c. Equation for image:

Find an explicit and recursive rule for each pattern.

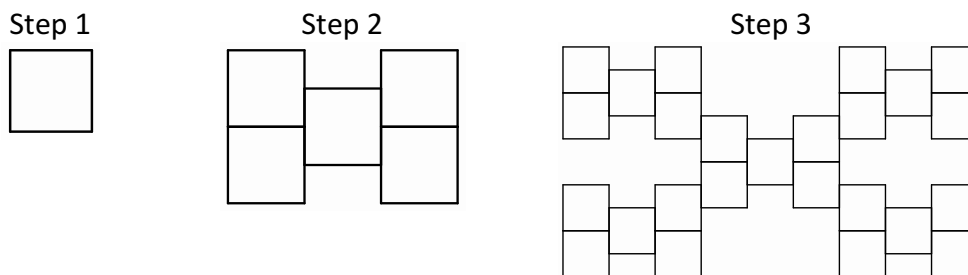
5.



Explicit Rule:

Recursive Rule:

6.



Explicit Rule:

Recursive Rule:

Find an explicit function rule and a recursive rule for the values in each table.

7.

Step	Value
1	1
2	11
3	21
4	31

Explicit Rule:

Recursive Rule:

8.

n	f(n)
2	16
3	8
4	4
5	2

Explicit Rule:

Recursive Rule:

9.

n	f(n)
1	-5
2	25
3	-125
4	625

Explicit Rule:

Recursive Rule: