

Types of Dilation

A) State whether a dilation with the given scale factor is an enlargement or a reduction.

- 1) Scale factor = 2

- 2) Scale factor = $\frac{1}{8}$

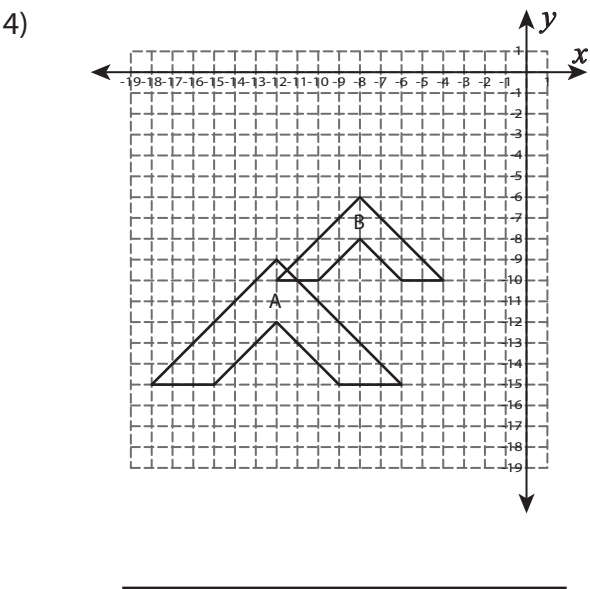
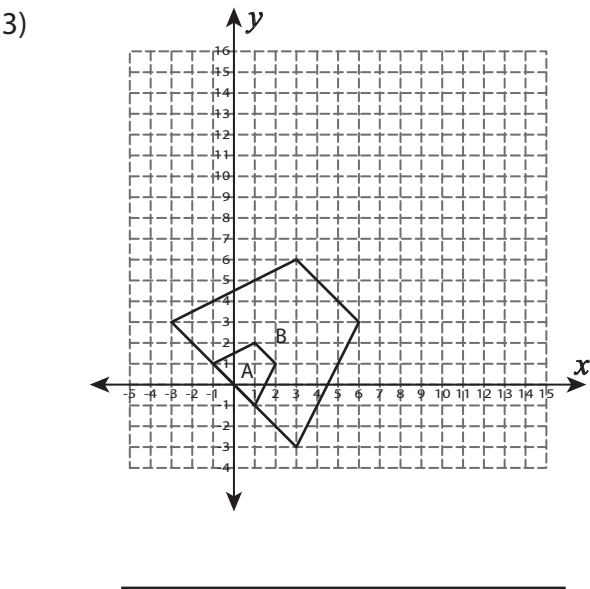
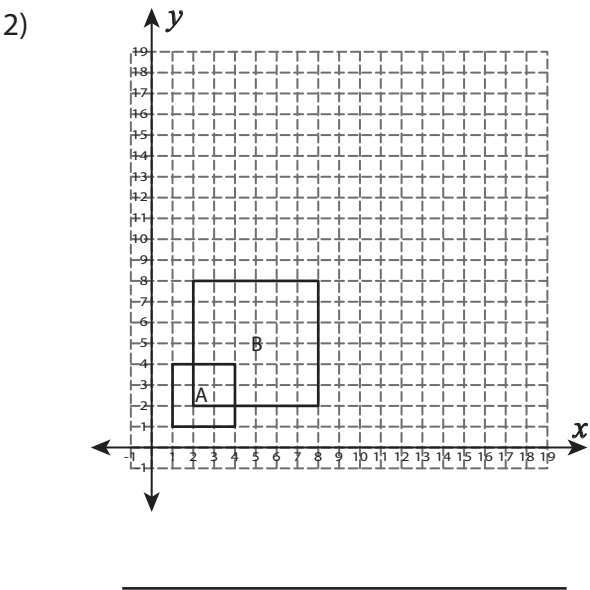
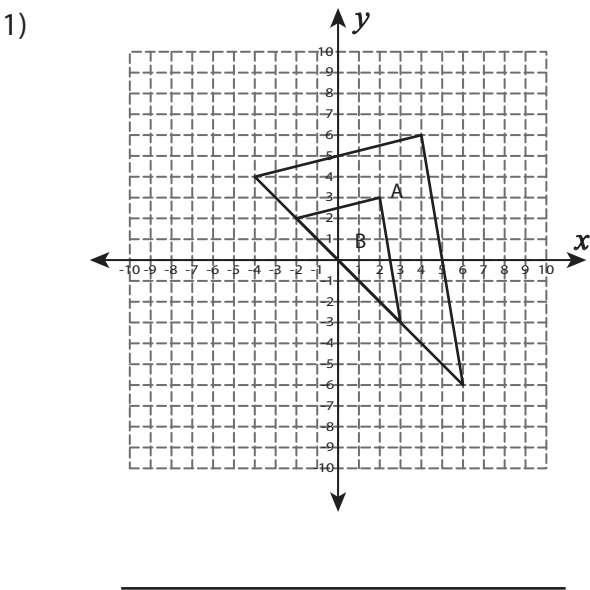
- 3) Scale factor = $\frac{5}{4}$

- 4) Scale factor = $\frac{2}{3}$

- 5) Scale factor = 3

- 6) Scale factor = 0.2

B) Figure A is a dilated image of figure B. Identify the type of dilation. (reduction or enlargement)



Name : _____

Answer key

Types of Dilation

Sheet 1

A) State whether a dilation with the given scale factor is an enlargement or a reduction.

1) Scale factor = 2

enlargement

2) Scale factor = $\frac{1}{8}$

reduction

3) Scale factor = $\frac{5}{4}$

enlargement

4) Scale factor = $\frac{2}{3}$

reduction

5) Scale factor = 3

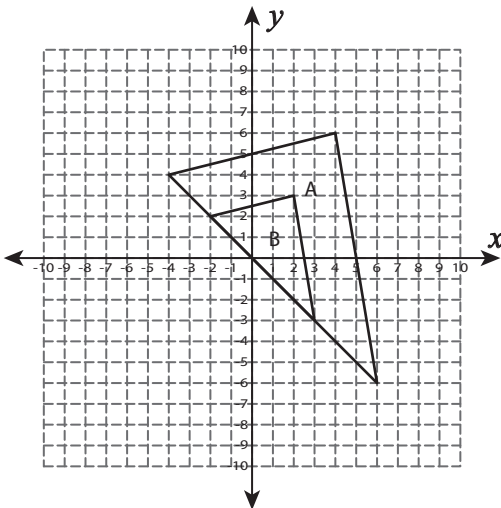
enlargement

6) Scale factor = 0.2

reduction

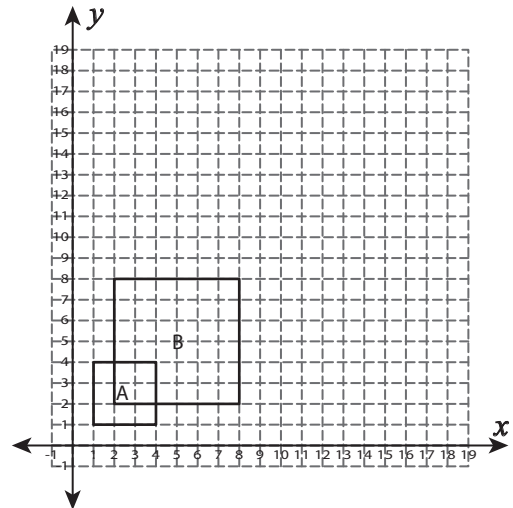
B) Figure A is a dilated image of figure B. Identify the type of dilation. (reduction or enlargement)

1)



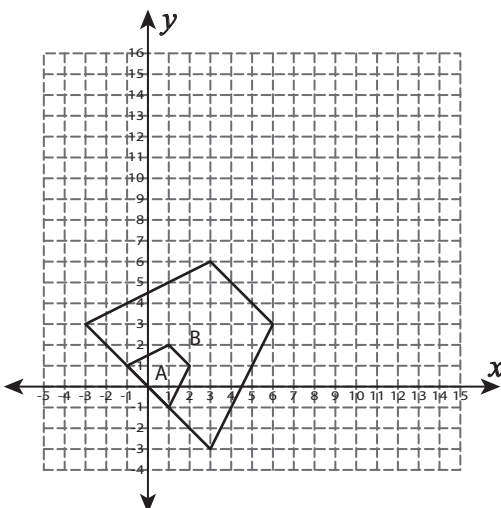
enlargement

2)



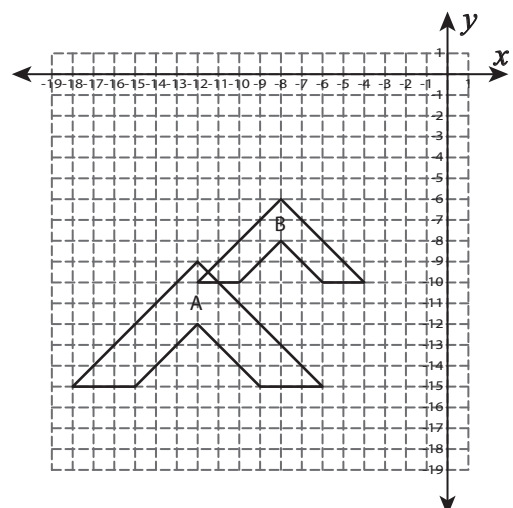
reduction

3)



reduction

4)



enlargement