

# Types of Dilation

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

1) Scale factor = 9

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

3) Scale factor = 7.5

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4) Scale factor =  $\frac{1}{5}$

5) Scale factor = 6

6) Scale factor =  $\frac{7}{8}$

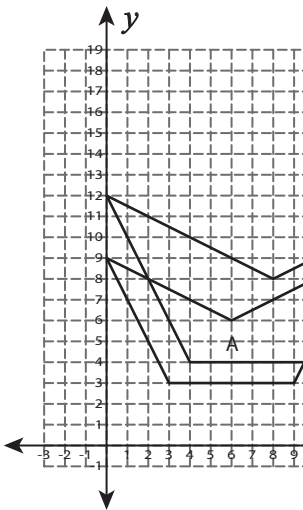
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B) Figure A is a dilated image

(or enlargement)

1)



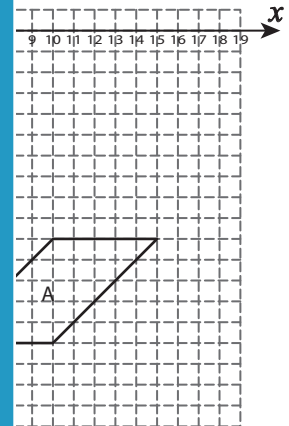
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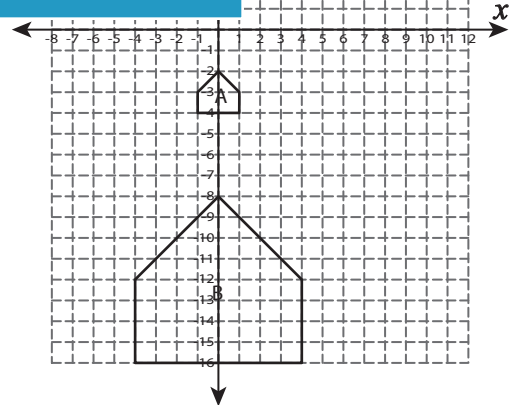
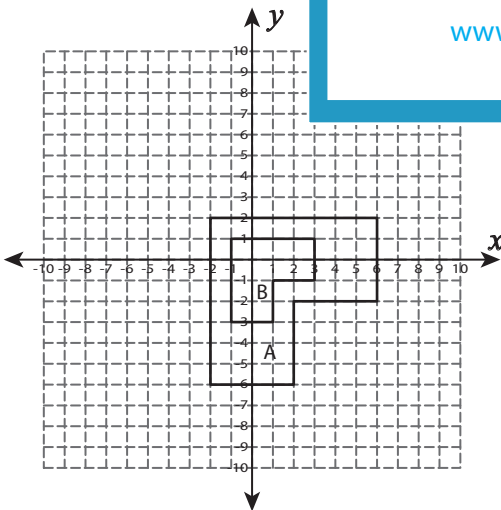
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3)



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**Types of Dilation**

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

- 1) Scale factor = 9                      2) Scale factor =  $\frac{4}{3}$                       3) Scale factor = 7.5

**enlargement**

**enlargement**

**enlargement**

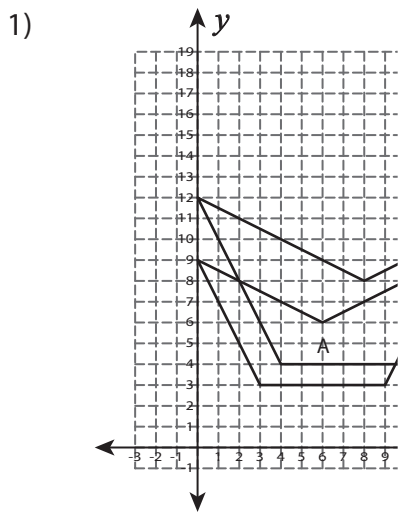
- 4) Scale factor =  $\frac{1}{5}$                       5) Scale factor = 6                      6) Scale factor =  $\frac{7}{8}$

**reduction**

**enlargement**

**reduction**

B) Figure A is a dilated image of Figure B (reduction or enlargement)



**reduction**

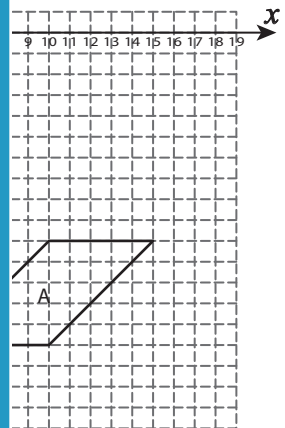
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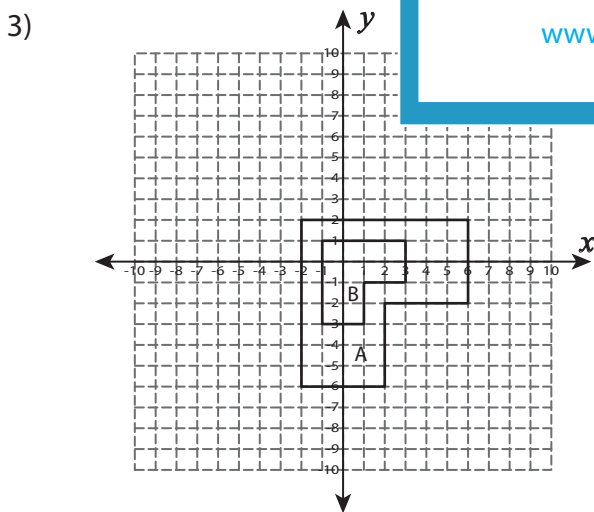
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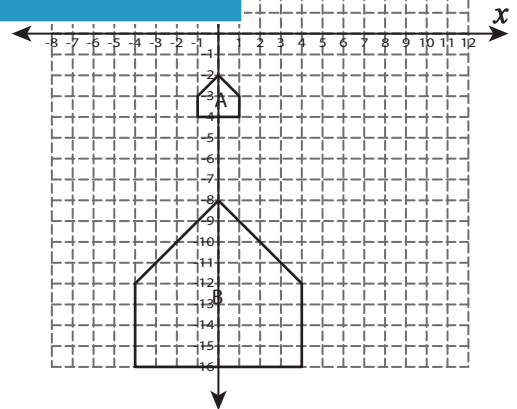
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**enlargement**



**enlargement**



**reduction**