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Dilation on the Coordinate Grid

Practice Worksheet A

1 Practice Problems

Dilate the following figures then list the location of the new coordinates

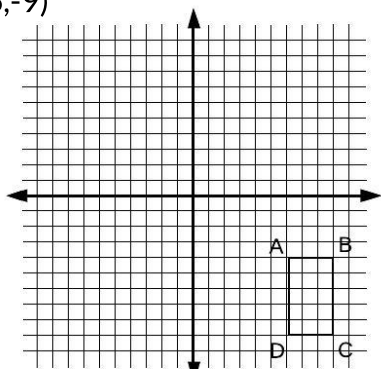
1) Graph figure ABCD after a dilation with a scale factor of $\frac{1}{3}$.

A (6,-4)

B (9,-4)

C (9,-9)

D (6,-9)



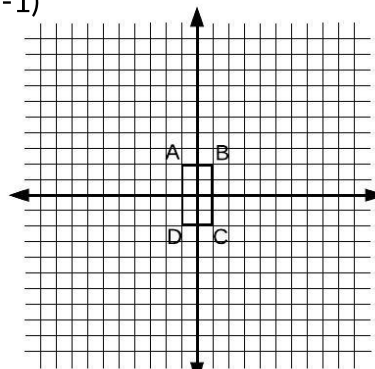
2) Graph figure ABC after a dilation with a scale factor of 4.

A (-1,2)

B (1,2)

C (1,-2)

D (-2,-1)



2 Practice Problems

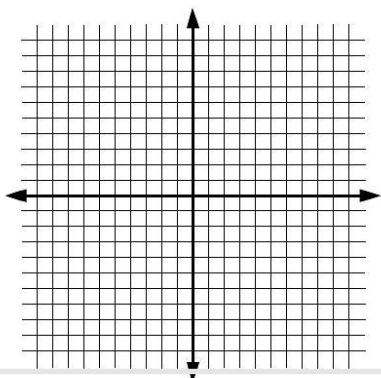
Graph the following figures then translate according to the directions. List the location of the new coordinates

1) Graph the figure, then dilate with a scale factor of 3.

A (-3,-1)

B (-3,-3)

C (-3,-2)



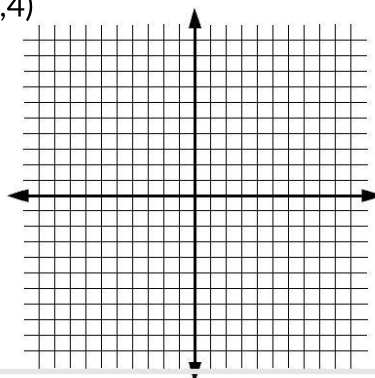
2) Graph the figure, then dilate with a scale factor of $\frac{1}{4}$.

A (-8,4)

B (-8,8)

C (-4,8)

D (-4,4)



Dilation on the Coordinate Grid

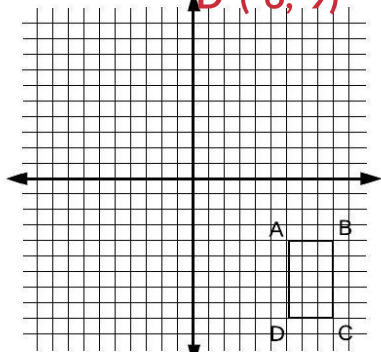
Practice Worksheet A

1 Practice Problems

Dilate the following figures then list the location of the new coordinates

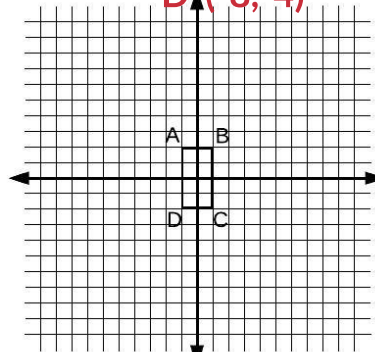
1) Graph figure ABC after a dilation with a scale factor of 3.

A (-2,-1) **A' (-6,-3)**
 B (2,-1) **B' (6,-3)**
 C (2,-3) **C' (6,-9)**
 D (-2,-3) **D' (-6,-9)**



2) Graph figure ABC after a dilation with a scale factor of 4.

A (-1,2) **A' (-4,8)**
 B (1,2) **B' (4,8)**
 C (1,-2) **C' (4,-12)**
 D (-2,-1) **D' (-8,-4)**

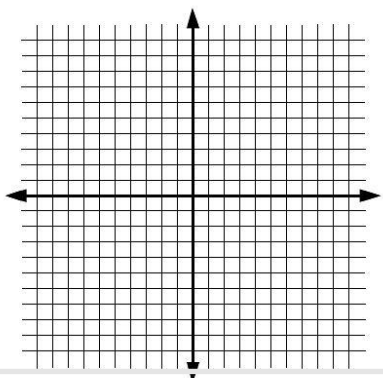


2 Practice Problems

Graph the following figures then translate according to the directions. List the location of the new coordinates

1) Graph the figure, then dilate with a scale factor of 3.

A (-3,-1) **A' (-9,-3)**
 B (-3,-3) **B' (-9,-9)**
 C (-3,-2) **C' (-9,-6)**



2) Graph the figure, then dilate with a scale factor of 1/4.

A (-8,4) **A' (-2,1)**
 B (-8,8) **B' (-2,2)**
 C (-4,8) **C' (-1,2)**
 D (-4,4) **D' (-1,1)**

