

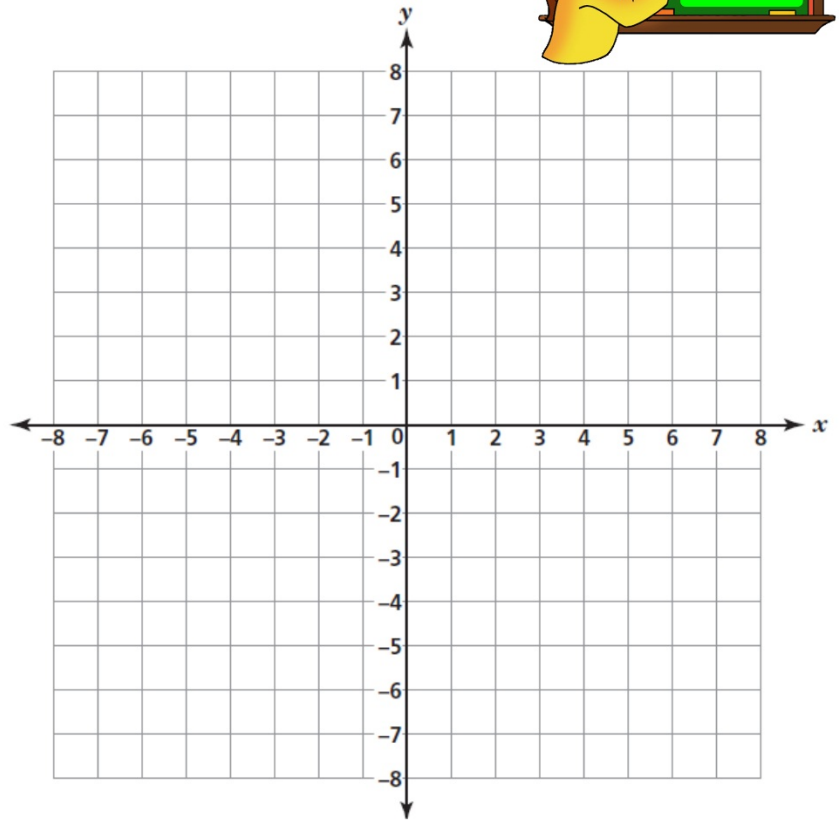
Dilation HW

Name _____



1) Plot A(0,1), B(2,-2), C(-3,-2) to graph triangle ABC

Dilate triangle ABC with a scale factor of 2



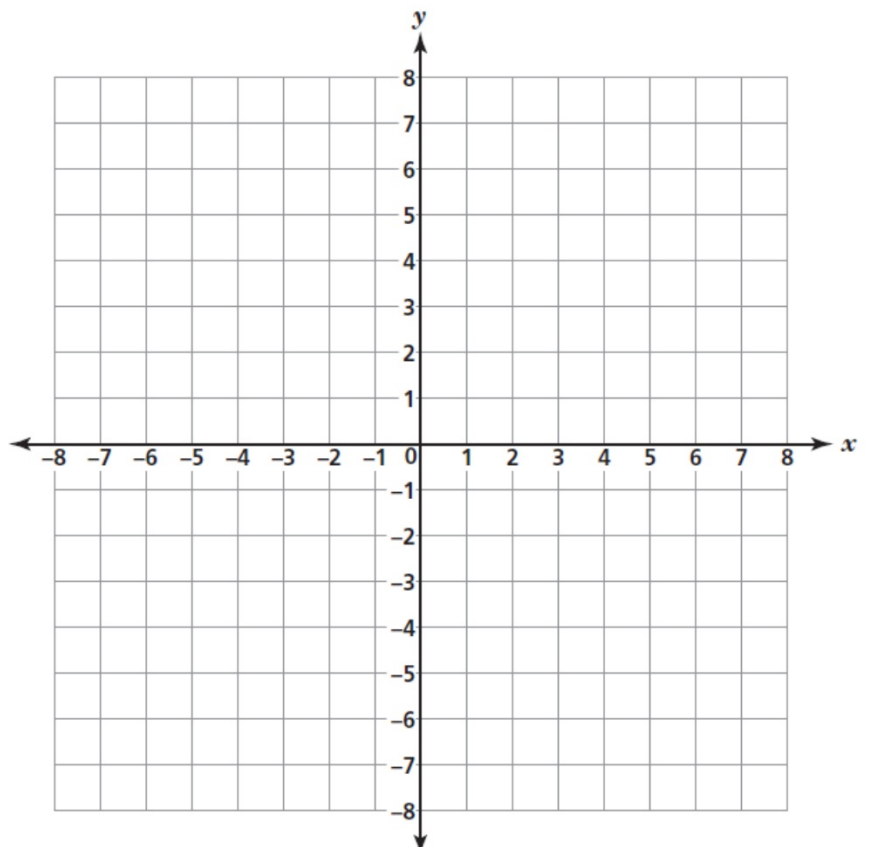
A' _____

B' _____

C' _____

2) Plot A(-4,6), B(-6,-8), C(6,-2) to graph triangle ABC

Dilate triangle ABC with a scale factor of $\frac{1}{2}$



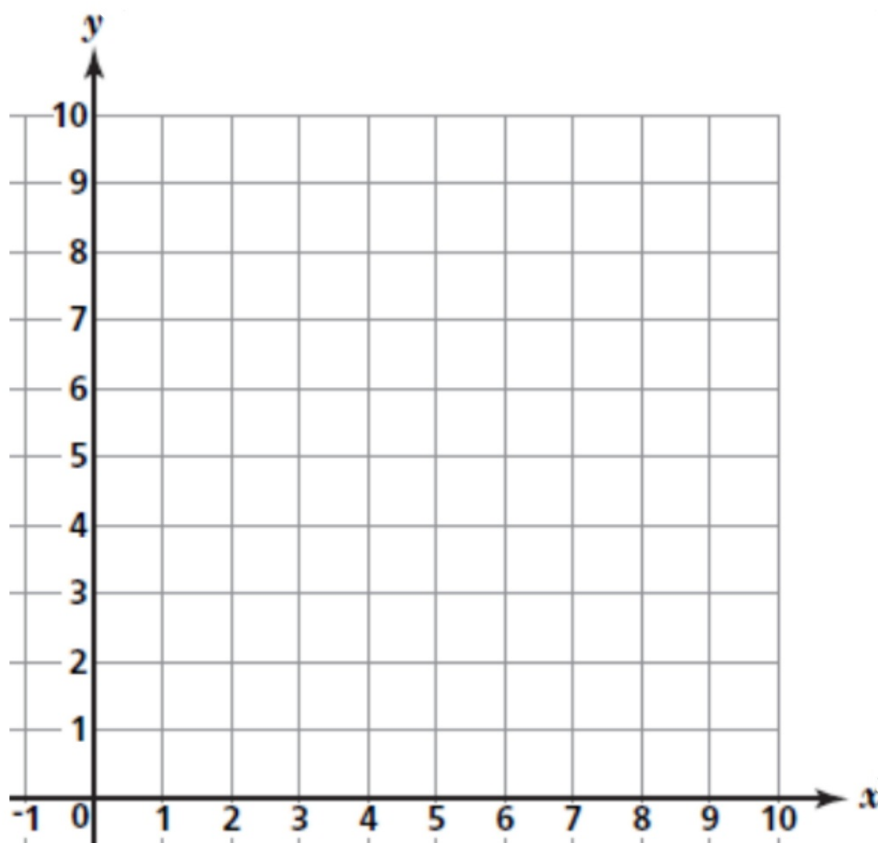
A' _____

B' _____

C' _____

3) Plot square MATH with vertices M(1,1), A(1,2), T(2,2), H(2,1)

Dilate the square using a scale factor of 5. Label the image M'A'T'H'



4) Plot square MATH with vertices M(5,5), A(5,10), T(10,10), H(10,5)

Dilate the square using a scale factor of $\frac{1}{5}$. Label the image M'A'T'H'

