

Name:

ANSWERS!

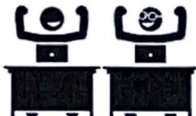
Class:



Communication



Successful Partnership



Encouragement



Solving Problem Together



Collaboration

Question 01

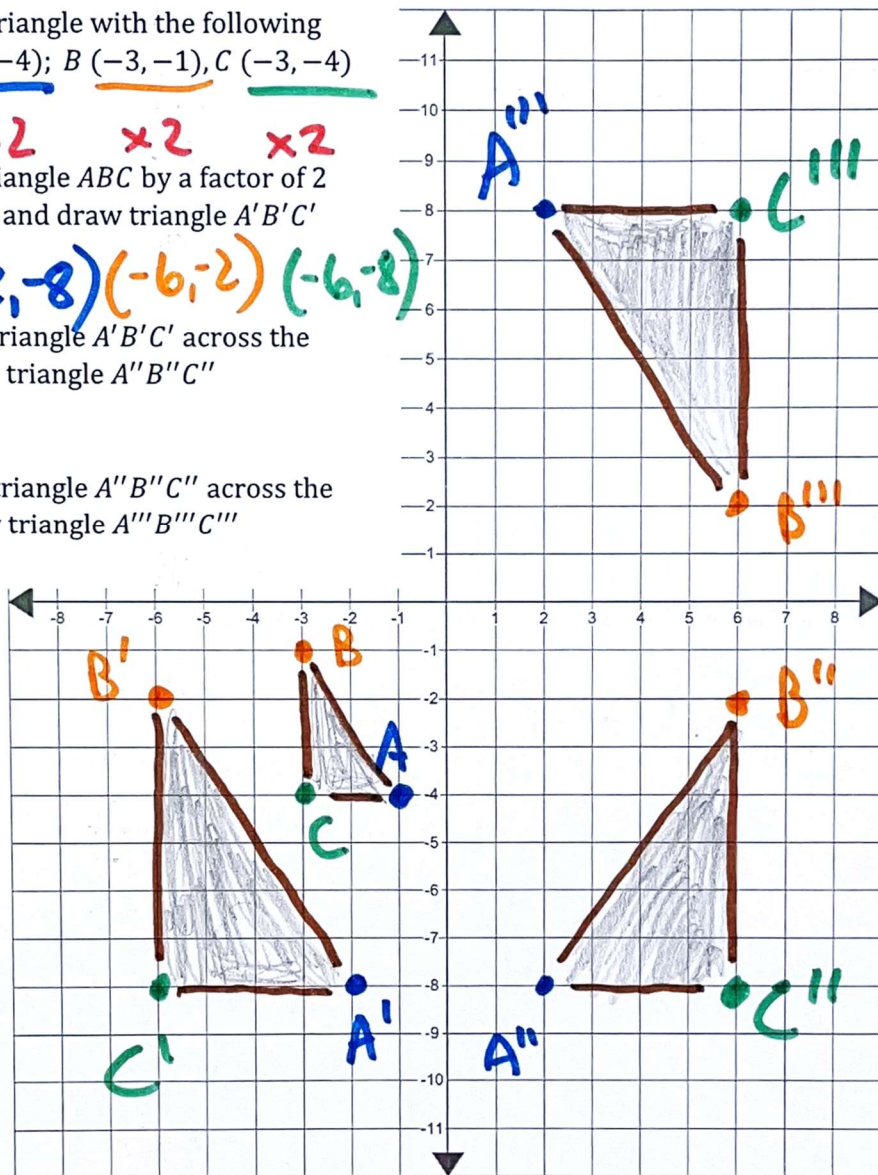
Step 1. Draw a triangle with the following vertices: $A(-1, -4)$; $B(-3, -1)$, $C(-3, -4)$

$\times 2$ $\times 2$ $\times 2$
 $(-2, -8)$ $(-6, -2)$ $(-6, -8)$

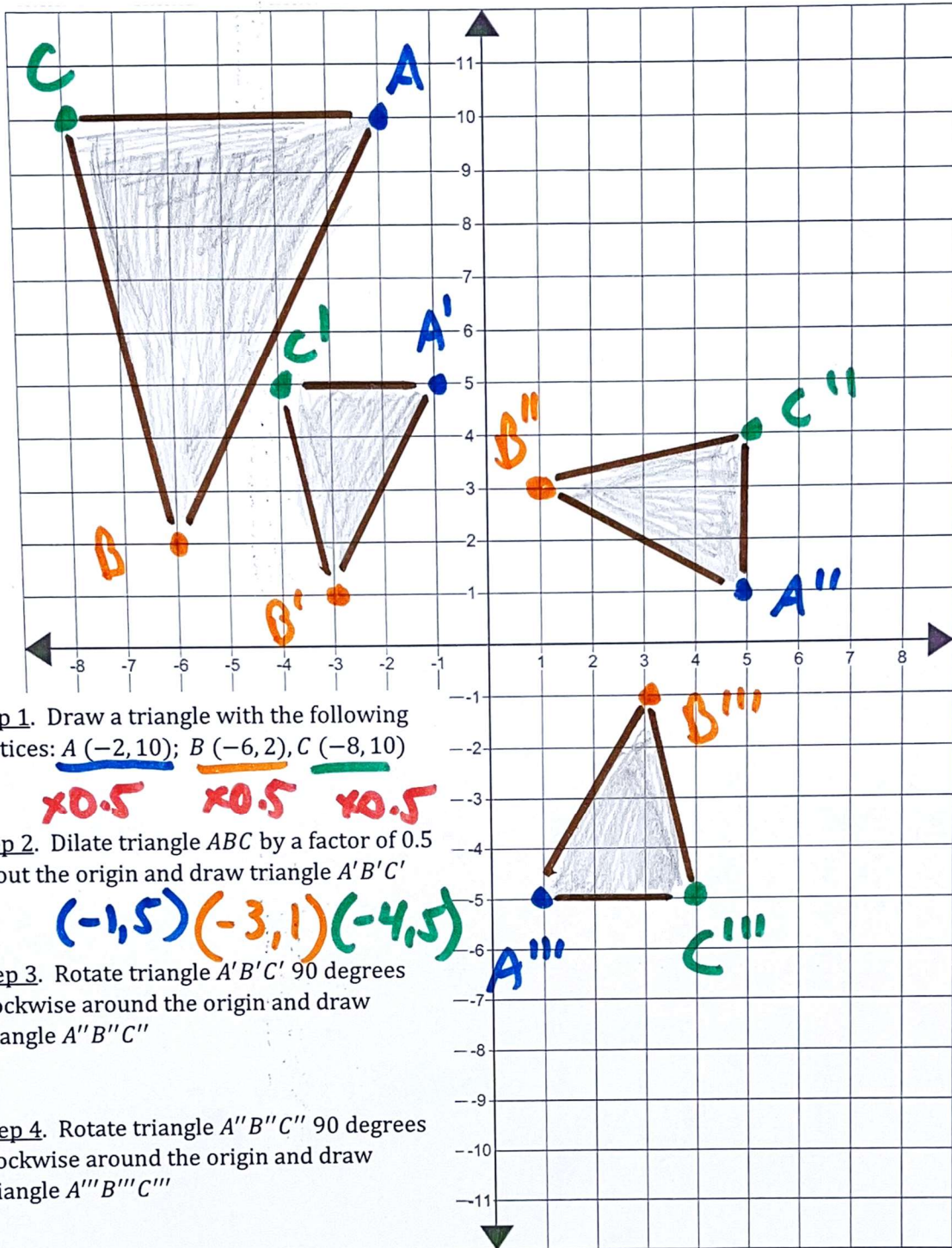
Step 2. Dilate triangle ABC by a factor of 2 about the origin and draw triangle $A'B'C'$

Step 3. Reflect triangle $A'B'C'$ across the y -axis and draw triangle $A''B''C''$

Step 4. Reflect triangle $A''B''C''$ across the x -axis and draw triangle $A'''B'''C'''$



Question 02



Step 1. Draw a triangle with the following vertices: $A(-2, 10)$; $B(-6, 2)$, $C(-8, 10)$

$\times 0.5$ $\times 0.5$ $\times 0.5$

Step 2. Dilate triangle ABC by a factor of 0.5 about the origin and draw triangle $A'B'C'$

$(-1, 5)$ $(-3, 1)$ $(-4, 5)$

Step 3. Rotate triangle $A'B'C'$ 90 degrees clockwise around the origin and draw triangle $A''B''C''$

Step 4. Rotate triangle $A''B''C''$ 90 degrees clockwise around the origin and draw triangle $A'''B'''C'''$