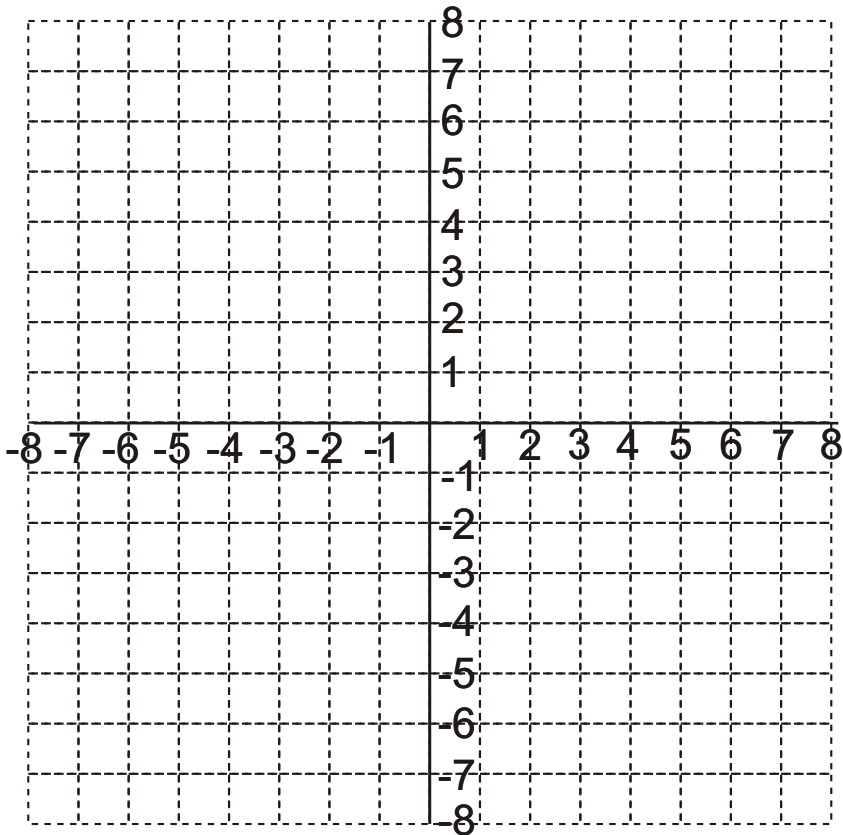


Translations and Reflections



1) Plot the following points and connect them to make a right triangle.

A (-7,1) B (-7,5) C (-2,1)

2) Translate $\triangle ABC$ +3 in the x direction and -6 in the y direction.

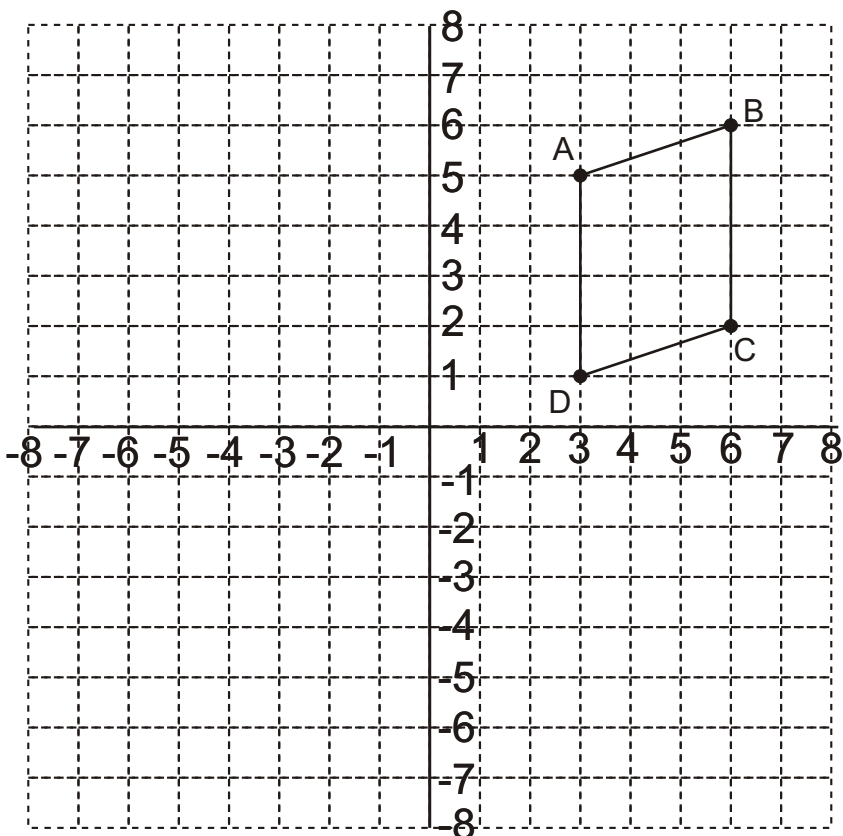
3) What are the new coordinates of the translation of $\triangle ABC$?

A' _____ B' _____ C' _____

4) Reflect the original triangle ABC across the y-axis.

5) What are the new coordinates of the reflected triangle?

A' _____ B' _____ C' _____



6) What are the coordinates of parallelogram ABCD?

A _____ B _____ C _____ D _____

7) If parallelogram ABCD is translated 7 units to the left and 5 units down, what will be the new coordinates of point A?

8) Reflect parallelogram ABCD across the x-axis.

9) Reflect Parallelogram ABCD across the y-axis.

10) What are the new coordinates of parallelogram ABCD after it was reflected across the y-axis?

A' _____ B' _____ C' _____ D' _____