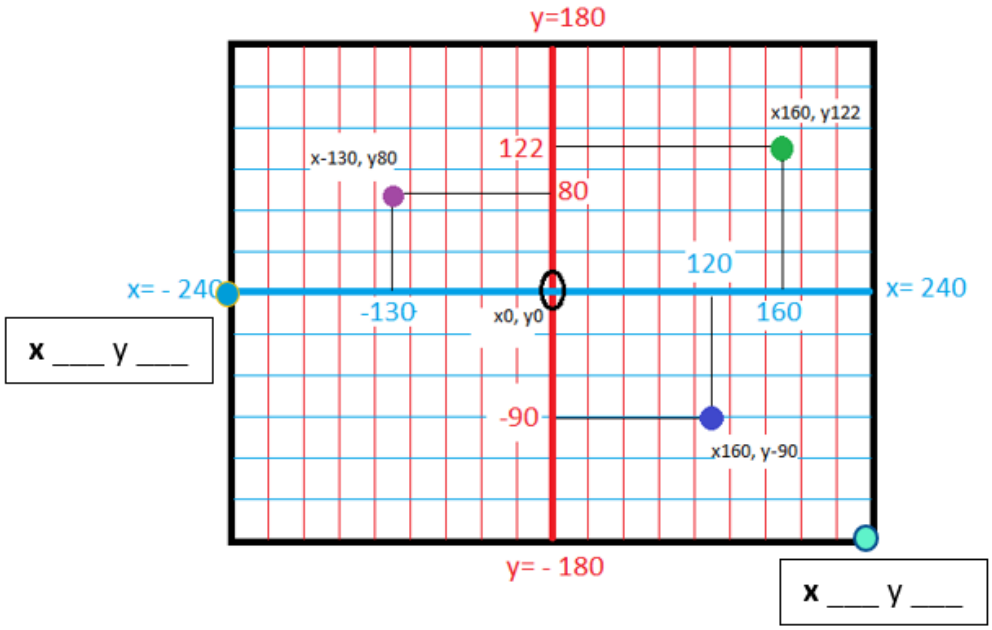
**Name:** _____ **Date:** _____

Find the coordinates of the dots you see in the picture below.



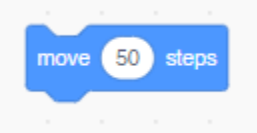

After you finish your build, describe how the rotational motion is turned into linear.

How many times can the gear rotate the linear bar?

Can you find applications of this modification?

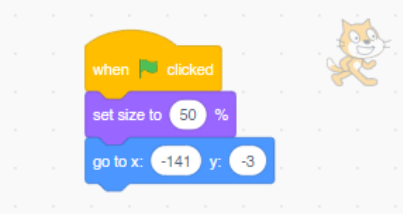
Open the Scratch file from the activity's file.

What does the block mean?

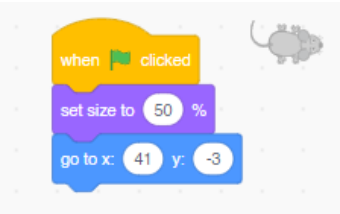



When you press the right arrow, the cat and the mouse have the order to move 50 steps front. Why does the mouse move before the cat?

Why we need the blocks




and




What would you change in the cat's code so it could catch the mouse before hiding on the right side of the screen? Note the changes in your code and experiment with your changes.