Name_____

# Student Journal

## U3-1.1c Change it up: Choose your shape

### What to do

Choose a shape which has sides and angles to drive using your Edison robot.

Make a workspace to test your program by either drawing your shape on paper or marking it out on the floor or a desk with colored tape.

Write a program for Edison using EdScratch so that your robot can drive your shape. Your program needs to use a definite loop control structure, so be sure to include a repeat block. Your program should be as efficient as possible, so try to use as few blocks as you can while still completing the task.

### Hint!

You might want to choose a regular shape for this challenge. A regular shape means a shape where all the sides are equal.

1. What value would you need to have in the input parameter in the repeat block to get Edison to drive a regular (meaning that all sides are equal) 12-sided shape?

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2. There is a pattern between the number of sides and angles a shape has and the number of times you need a loop to repeat in order to drive that shape. Describe how you used this pattern to help you determine the input parameter you needed in the repeat block to get Edison to drive your shape.

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