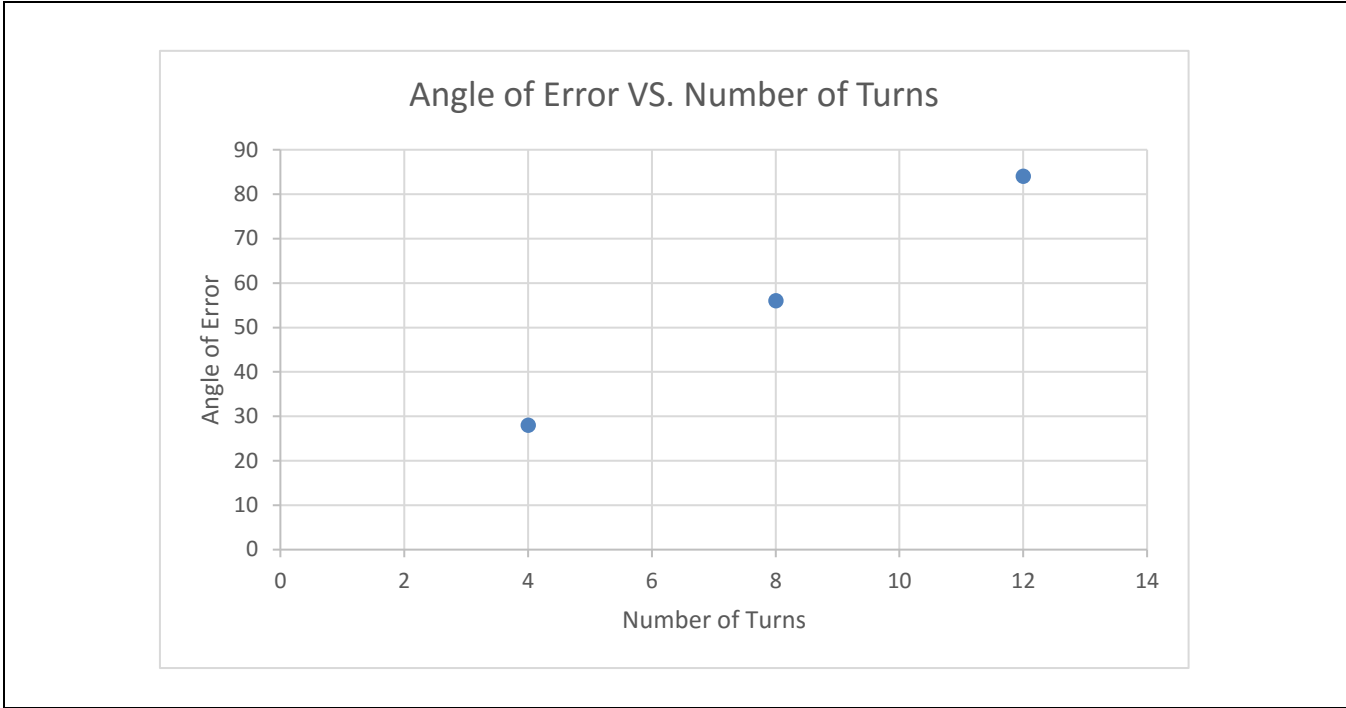


FIRST LEGO LEAGUE - Ontario

Questions	
Question 1 Math	Describe how you used the data in the first chart to mathematically figure out a more accurate turn angle. Which number did you pay most attention to and why?
I took the mean angle from the largest test. (This one was the most accurate). I then subtracted it from 90 to get my new better turn angle.	
Question 2 Math	How effective was your changes in making the robot more accurate? Use numbers to explain.
My robot turned almost exactly 90° after I adjusted to the new angle.	
Question 2 Math	Could you improve your turn angle even more with the information from the very last test?
I could run the experiment again and make even more changes.	
Question 3 Coding	Describe how this process of calculating the mean could be used to improve the accuracy of other code in the future.
I could use to improve how far forward I move for example.	
Question 4 Math	Graph the “Angle of Error VS. Number of Turns” on the grid below.

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Extension Coding and Science	Change your program to run the test by oscillating back and forth, turning 90° left and then 90° to the right. Are the errors still accumulating or are they canceling each other out?
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