

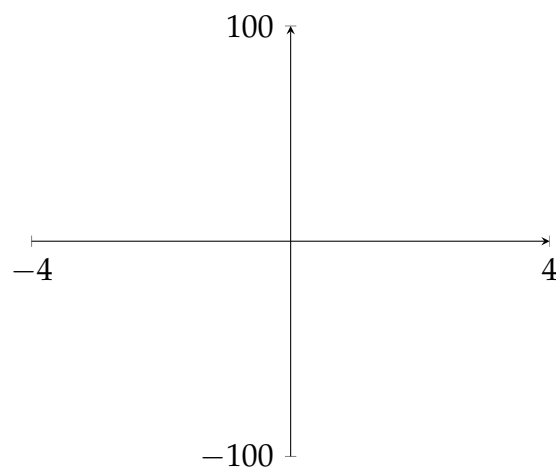
MATH 1020 Quiz 1

September 2, 2019

Name: _____

Consider the function $f(x) = x^3 + 0.62x^2 + 15$.

1. (2 points) Using the calculator, evaluate $f(2.565)$. Make sure you round to three decimal places.
2. (2 points) Using the calculator, give a sketch a graph of the function below. Set x -min, x -max, y -min, and y -max as suggested in the picture below.



2. (3 points) Using the calculator, solve the equation $f(x) = 0$. There is only one solution. Make sure you round it to three decimal places.

4. (3 points) Find $\lim_{x \rightarrow \infty} f(x)$ by filling in the table below. Make sure you round to three decimal places.

$x \rightarrow \infty$	$f(x)$
10	
100	
1000	