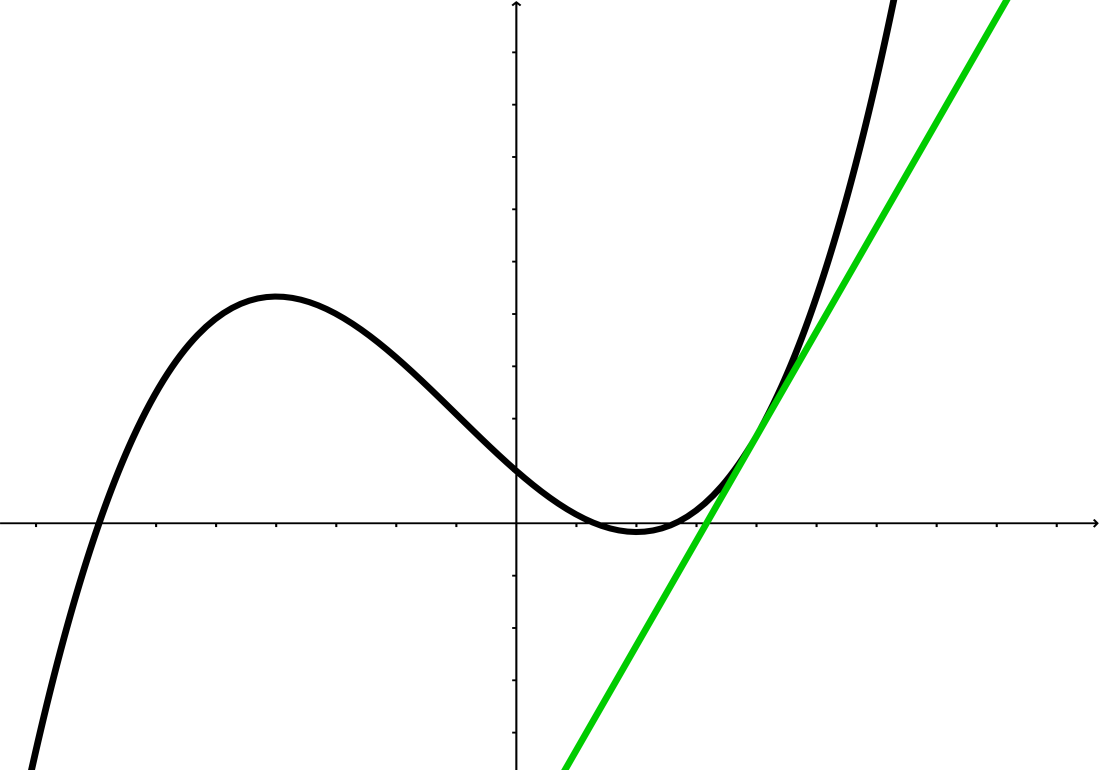
Recall: The derivative can be interpreted as the slope of line tangent to at

Goal: Find an equation of the line tangent to at

Solution:



An equation of the line tangent to at is:

Example: Suppose that we run a car dealership and our cost to sell 15 cars is $200,000 and the derivative :

Estimate the cost to sell 17 cars.

Recall: We studied the idea of relative change by looking at comparing the change in populations to Williamsburg, MA vs. NYC.

Just like with change, it is sometimes important to compare the rate of change to the original amount.

Example: Find the Relative Rate of Change for