# Monday, March 11, 2019

a = amount charged per bike <u>estimated sales</u>: 70,000 – 200a <u>expenses:</u> \$110 to make each bike \$700,000 in operating costs

- Warm-up
  - Simplify the given equation to model bicycle sales:
    P(a) = a(70,000 200a) 700,000 + 110(70,000-200a)
  - Graph this equation in the calculator & sketch the graph to determine break even points (where no money is lost or gained) AND maximum profit available
- PBL Work



### **Objectives**

Content: I will apply quadratic reasoning to the PBL problem.
 Social: I will work well with my group, contributing or doing my job.
 Language: I will extract information from the spreadsheets and identify it with correct vocabulary to build the needed equation.



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### Marh 1-2

## **PBL Work**



### <u>Goals</u>

- Clarify lenses
- Examine data
- Determine what else is needed
- Look at website resources

 Plan what will happen the next time you can work (Friday)

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