

HW 1.7 Comparing Profit

The profit equations (Profit = Rev. – Cost) for two companies are given below. Use the equations to answer the questions below.

Company A $P = 3.27x - 547$

Company B $P = 4.01x - 812$

1. Which company had a higher start-up cost? How do you know?
2. Which company makes more per item sold? How do you know?
3. If Company A sells 105 items, what will their profit be?
4. In your notebook, create a graph for each company.
5. How many items sold until Company B breaks even?

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