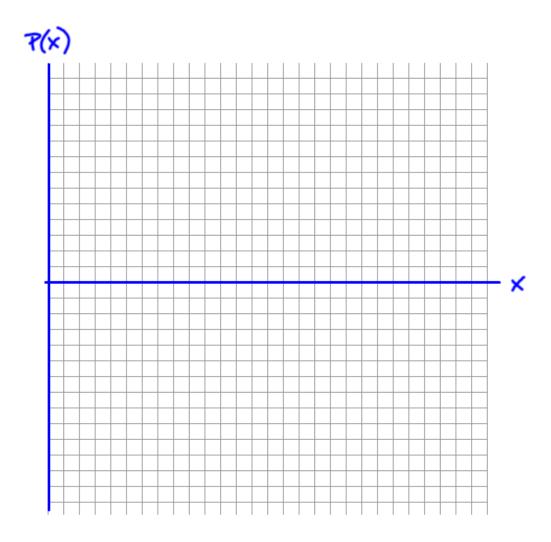
The Math Dawg: Applications of Linear Functions/Equations_3

Suppose the Haworthski Bicycle Company sells its bikes for \$360 each. Assume the fixed costs of production are \$40000 and each bike costs an additional \$200 to produce with labor and material costs.

1. Write a profit function P(x) for Haworthski Bicycle Company.

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2. Graph the function on the grid provided below.



3. If the company produces and sells 6,000 bicycles what is its profit?

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	o the nearest bicycle how many bicycles must be produced and sold for the company to reakeven?	

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AH
1. P(x)=160x-40000
3. P(6000)=\$920,000
4. 250 1514E5