MAT 136 (Calculus I), Prof. Jim Swift
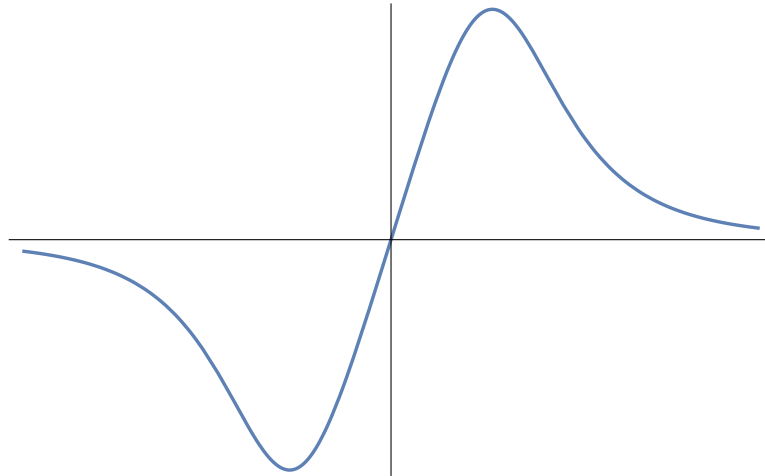## Worksheet on Interpretation of the derivative

1. Suppose $m = f(v)$ is the mileage (in mpg) of a car as a function of v (in mph).

(a) What are the units of $f'(v) = \frac{dm}{dv}$?

(b) What is the sign of $f'(60)$? Explain the answer.

2. Sketch the derivative of the function plotted on the same axes.