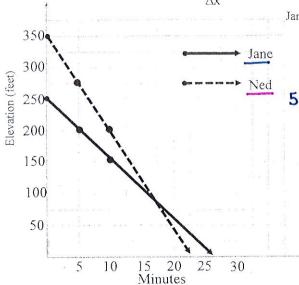
Comparing Rate of Change and Initial Value on Graphs

Big Idea: Rates of Change $\frac{\Delta y}{\Delta x}$ of graphs can be compared to one another.



Jane and Ned are riding their bikes down a hill. Their graphs are shown.

Who is going down the hill faster? (Make a table for each rider to support your answer).

How much further down the hill did Jane start? 350-250=

Write an equation to represent their descent of the hill.

Jane:
$$y = -10x + 250$$