MATH 211: Calculus I F23 Team Quiz Learning Target 1

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LT1: I can find the average rate of change of a function on an interval, whether the function is given as a formula, a graph, or a table.

1. A student is traveling from Gottwald to D-Hall, and their distance s (in feet) from Gottwald at time t (in seconds) is given in the following table.

Time (s)	0	20	40	60	80
Distance (ft)	0	80	150	200	280

Find the student's average velocity from $t = 60$ to $t = 80$. **Neatly write out your solution and include units in your final answer.**

$AV_{[60,80]} = \frac{f(80) - f(60)}{80 - 60} \rightarrow \frac{280 - 200}{20} \rightarrow \frac{80}{20} \rightarrow 4 \text{ ft/sec}$

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