

Name:

Section 2.2b – Slope and Rates of Change – Proficiency Check

What is the slope of the lines given the following parameters.

Goes through the points: $(4, -2)$ and $(6, 7)$	Goes through the points: $(9, 4)$ and $(-6, 5)$	Goes through the points: $(4, -2)$ and $(4, 7)$
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What is the rate of change described in the following scenarios. Remember, the units tell the story.

I read 45 pages in 20mins and 205 pages in an hour. Assuming a constant rate, how many pages do I read per minute?	For seven hours of work I make \$116.90. How much do I make an hour?	My car was worth \$15 450 when I bought it new. Seven years later it was worth \$4675. Assuming a constant rate, what is the depreciation rate per year?
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