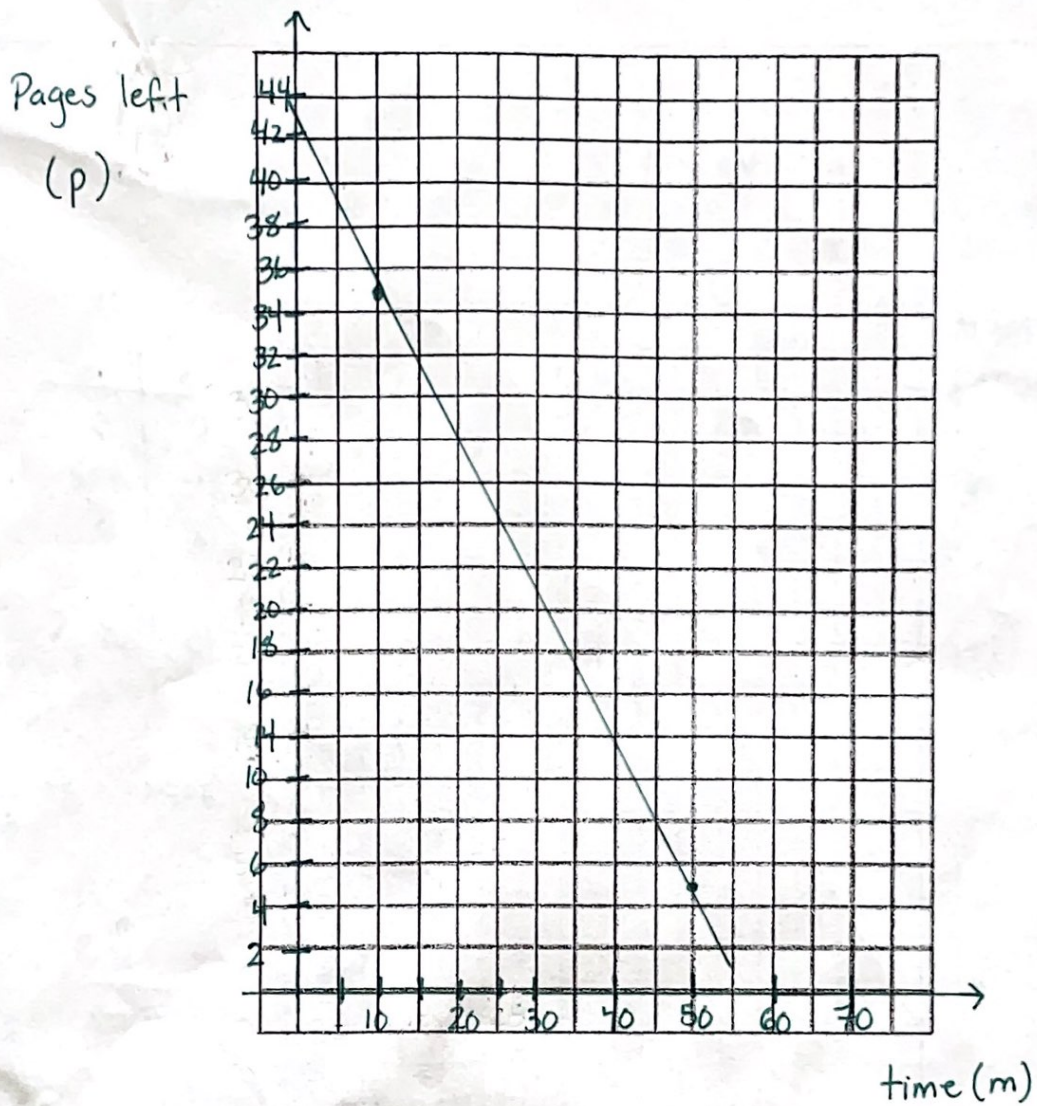


2. Erik still has 35 pages of his riveting book to be read after he has been reading for 10 minutes, and 5 pages left after he has been reading for 50 minutes. Assume that the number of pages left to read varies linearly with the number of minutes she has been reading. Graph.



Calculate his rate of change from the information given. Does this fit with your graph?

$$(10, 35) \quad (50, 5) \quad m = \frac{\Delta y}{\Delta x} = \frac{50 - 10}{5 - 35} = \frac{40}{-30} = -\frac{3}{4}$$

$$P = -\frac{3}{4}m + b$$