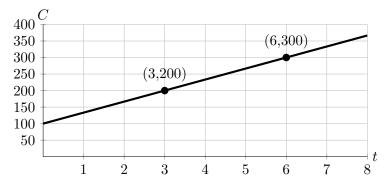
1. [11 points] Pam the Plumber charges customers P(t) dollars for a t hour visit to their house. A graph of C = P(t) is shown below.



a. [2 points] Find the value of P(0) and explain what it means in context. P(0) =_____

Meaning:

b. [2 points] Find the slope of P(t) and explain what it means in context.

Slope:	
Meanin	ıg:

- c. [2 points] Beth the Bathtub-fixer charges \$50 for a home visit plus \$40/hour spent there. Let B(t) be the amount she charges for a t hour visit. Add the graph of C = B(t) for $0 \le t \le 8$ to axes above. Clearly label at least two points on your graph with their (t, C) coordinates.
- **d**. [5 points] Find the coordinates of the point where the two graphs intersect and explain what this means in context. Show all work. Give your final answer in exact form, or rounded to at least two decimal places.

Point (*t*, *C*) = _____

Meaning: