

- c. [5 points] Patrick notices that the amount of cells in his experiment $P(t)$ is a power function. Find a formula for $P(t)$ if there are 2000 cells at 3 pm and 3000 at 5 pm. Show all your work step by step.

$$P(t) = \text{_____}.$$

- d. [1 point] Which of the three increasing functions $L(t)$, $E(t)$ and $P(t)$ grows fastest as $t \rightarrow \infty$? Circle your answer. You do not need to justify your answer.

 $L(t)$ $E(t)$ $P(t)$

Not enough information to conclude.