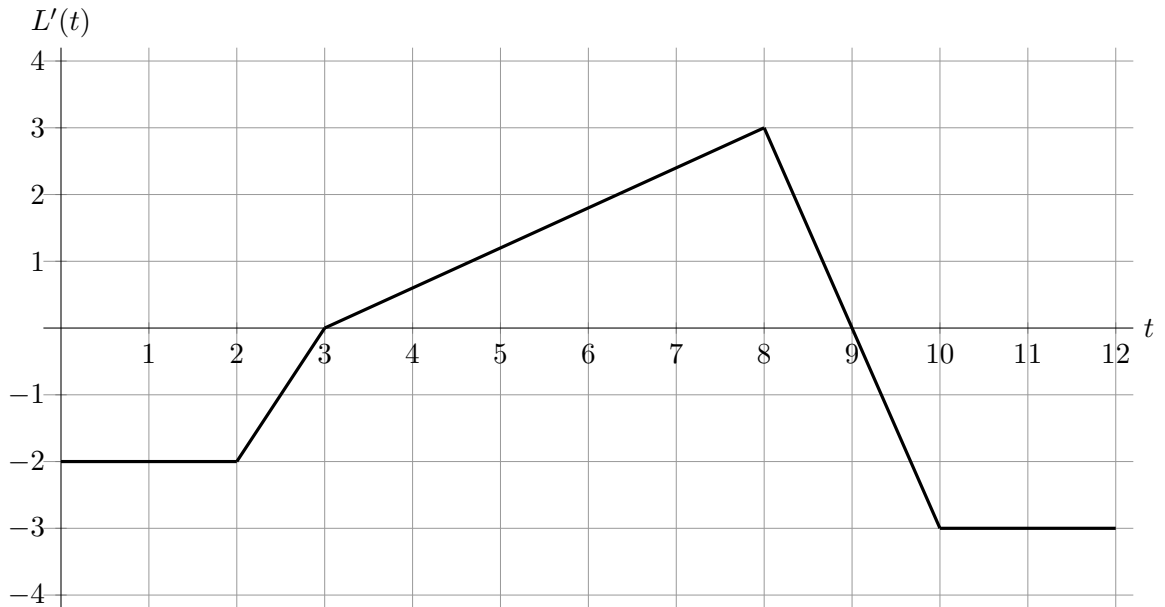**2.** [14 points] The graph of $L'(t)$ from the previous page has been replicated here.

$L'(t)$

Now assume that the cumulative net profit of Emily's lemonade stand is \$5 at the beginning of January 1, 2024.

a. [4 points] Fill in the following table of values for $L(t)$.

t	0	2	3	8	9	10	12
$L(t)$	5						

b. [10 points] Sketch a graph of the cumulative net profits of Emily's business over 2024. Make sure to clearly label the values of your graph at $t = 2, 3, 8, 9, 10, 12$ and indicate where your graph is concave up, concave down, or linear.

$L(t)$