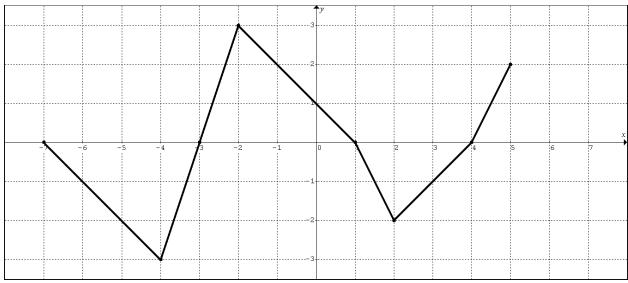
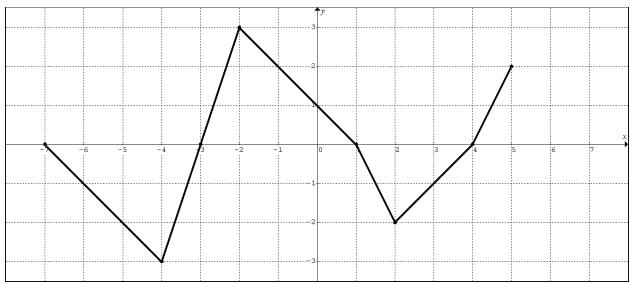
AB: Q304 UNIT WARM UP



The graph above represents f'(x) (the derivative of the function f(x)) on $-7 \le x \le 5$. Suppose f(-3) = 80.

- 1. Evaluate $\int_{-7}^{5} f'(x) dx$
- 2. Find f(5) and f(-7)
- 3. What is the average rate of change in f(x) on the interval $-7 \le x \le 5$?



The graph above represents f'(x) (the derivative of the function f(x)) on $-7 \le x \le 5$ Suppose f(-3) = 80.

- 4. Find f'(-1), f''(-1), f'(-4), and f''(-4)
- 5. For what value(s) of x will the function f(x) have a local minimum? Justify.
- 6. For what value(s) of x will the function f(x) be concave downward? Justify.