

CURVE SKETCHING CONT'D

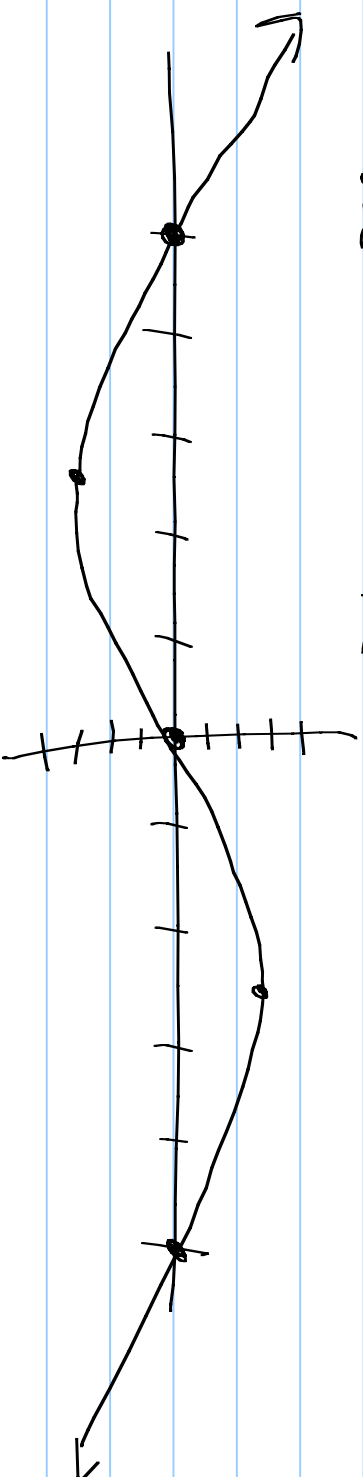
BE GIVEN THE FOLLOWING INFORMATION SKETCH A GRAPH

1) $f(x) = 0$ AT $x = -5, 0, 5$ x -INTERCEPTS

2) $f'(x) = 0$ y -INTERCEPT

3) $f'(x) = 0$ AT $(-2.5, -3)$ AND $(2.5, 3)$ CP'S

4) $f'(-3) = -4$, $f'(0) = 4$, $f'(3) = -4$ INC/DEC SLOPE



IF GIVEN THE FOLLOWING SKETCH

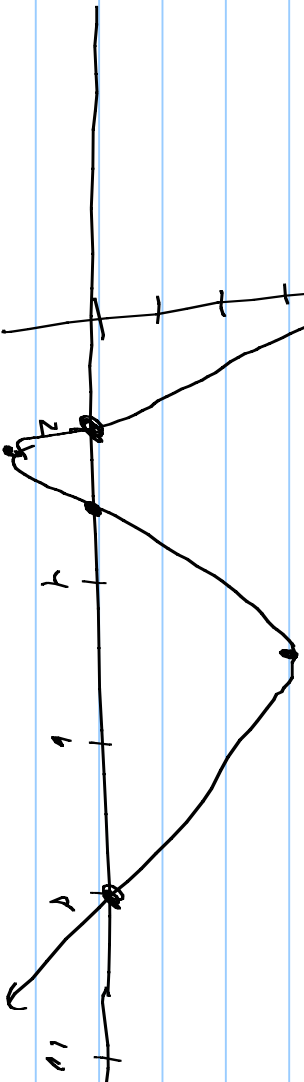
1) $f(x) = 0$ @ $x = 2, 3, 8$

2) $f(0) = 10$

3) $f'(x) = 0$ @ $(2.5, -3), (5, 6)$

4) $f'(x) < 0$ $x \in (-\infty, 2.5), f'(x) > 0$ $x \in (2.5, 5),$

$f'(x) < 0$ $x \in (5, \infty)$



IB GIVEN THE FOLLOWING SKETCH

A) $f'(x) = 0$ @ $(0, -4)$

B) $f'(x)$ DNE @ $(-5, 3)$ AND $(5, 3)$

C) $f'(x) < 0$ $x \in (-\infty, 0)$, $f'(x) > 0$ $x \in (0, \infty)$

