4. (AB/BC, calculator neutral)
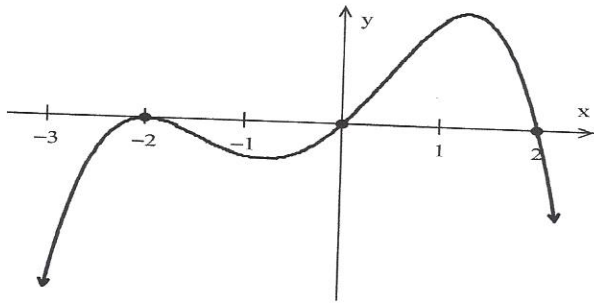
In the figure above, f', the *derivative* of function f, is shown. f is a twice differentiable function on $x \in (-\infty, \infty)$. $f''(-0.8) = 0$ and $f''(1.3) = 0$.

both (a) Name the value(s) of x for which f has a relative minimum. Justify your answer.

both (b) For what values of x is f increasing? Justify your answer.

both (c) For what values of x is the graph of f concave down? Justify your answer.

CAB only (d) Is $\dfrac{f(-0.5) - f(0)}{-0.5 - 0}$ positive or negative? Justify your answer.

PC and CP : POW 26

1) Study and copy example #3 on page 978, into your note book.

2) Explain the meaning of Quotient, Divisor, dividend, and remainder using 122 and 3