

$$f'(x) = 0 \quad \text{@ } x = -2 \text{ and } x = 2$$

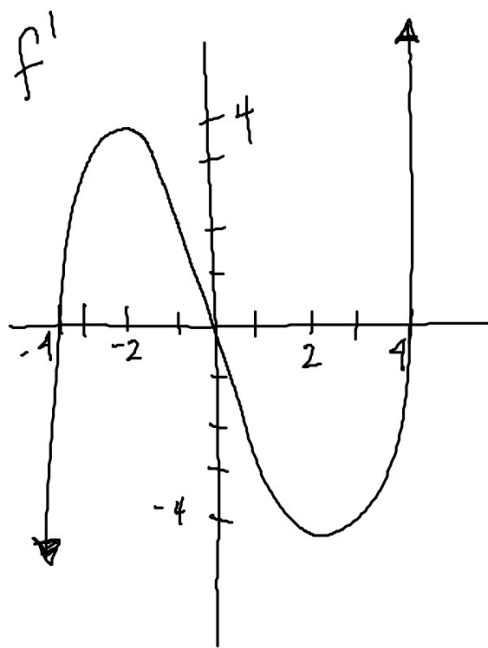
$$f'(x) > 0 \quad (-\infty, -2) \quad (2, \infty)$$

$$f'(x) < 0 \quad (-2, 2)$$

$$f''(x) = 0 \quad \text{@ } x = 0$$

$$f''(x) > 0 \quad (0, \infty)$$

$$f''(x) < 0 \quad (-\infty, 0)$$



$f(x)$  inc?  $(-4, 0)$   $(4, \infty)$

$f(x)$  dec?  $(-\infty, -4)$   $(0, 4)$

$f(x)$  local max: @  $x=0$

$f(x)$  local mins @  $x=-4, 4$