

Practice:

On the grid below, draw the graph of a function $y = f(x)$ with all of the following properties:

$$f'(-1) = 0$$

$f'(1)$ does not exist

$$f'(x) < 0 \text{ for } |x| < 1$$

$$f'(x) > 0 \text{ for } |x| > 1$$

$$f(-1) = 4$$

$$f(1) = 0$$

$$f''(x) < 0 \text{ for all } x \neq 1.$$

