Sketch a graph of the function with the following information:

f(4) = 0 f'(x) > 0, x > 2 f'(x) > 0, x < 2 f''(x) > 0, x < -1 f''(x) < 0, x > -1 $\lim_{x \to \infty} f(x) = 3$ $\lim_{x \to -\infty} f(x) = \infty$