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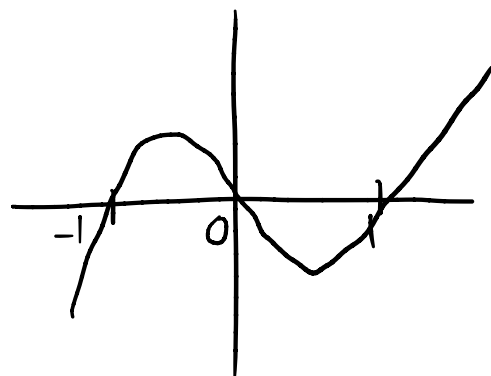
$$\frac{dy}{dx} = 3x^2 - 1$$

$$y = x(x+1)(x-1)$$

At $x = 2$, $\frac{dy}{dx} = 3(2)^2 - 1 = 11$.

The tangent line has a slope $\frac{dy}{dx}$.

$$y - y_1 = m(x - x_1)$$
$$\Rightarrow y - 6 = 11(x - 2)$$
$$y = 11x - 22 + 6$$
$$\therefore y = 11x - 16$$