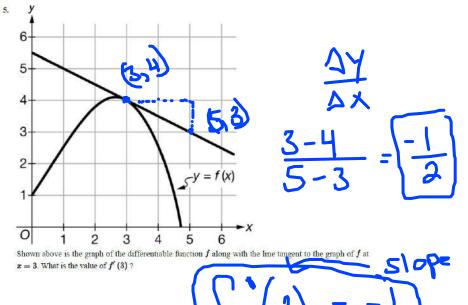
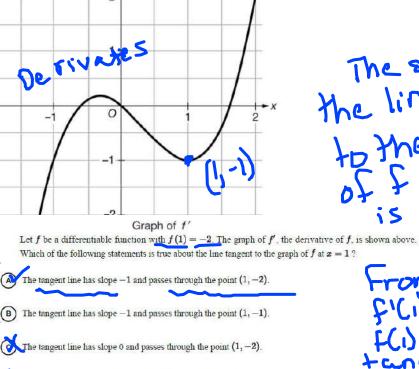
3. An equation for the line tangent to the graph of the differentiable function f at x = 2 is y = 9x - 12. Which of the following statements must be true? 1. f(0) = -122. f(2) = 6A) None f'(2) = 9 The slope of f''(2) = 9 The slope of f''(2) = 9# Since y= 9x-12
is the tangent
to the curve at 1:2, I and II only II and III only The value of f at x=2 I, II, and III must be equal to the tangent line



$$\frac{1}{2}$$

$$\frac{1}{2}$$

$$\int (3) = -\frac{1}{2}$$



The tangent line has slope 0 and passes through the point (1, -1).

The slope of the line tangent to the graph

rivative of f, is shown above.

If f at x = 1?

From the graph f'(1) = -1, Because

f'(1) = -1, become f(1) = -2 the tangent passing through