







Find the slope of the tangent line to the graph of the function (pg. 104)
at the specified point.

$$\int_{book}^{old} 5) f(x) = 3 - 2x, \quad (-1,5)$$

$$\int_{cook}^{old} \frac{5}{2x} + \frac{5}{2x} + \frac{5}{2x} = \frac{3 - 2(x + ax)}{ax} - \frac{3 - 2x}{ax} = \frac{3 - 2(x + ax)}{ax} = -\frac{3 - 2x}{ax} = -2$$

$$f(x) = -2$$

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Find the derivative by the limit process.

$$f(x) = 3$$

$$F(x) = \frac{3}{3x}$$

$$F(x - ax) - F(x) = \frac{3}{-3} = 0$$

$$F(x) = 0$$

Find the derivative by the limit process.

$$\int_{book}^{old} 23 f(x) = \sqrt{x+1}$$

$$\int_{conv} \frac{F(x+ax)-F(x)}{ax} = \sqrt{x+ax+1} - \sqrt{x+1}$$

$$(\sqrt{x+ax+1} - \sqrt{x+1}) (\sqrt{x+ax+1} + \sqrt{x+1})$$

$$(\sqrt{x+ax+1} - \sqrt{x+1}) (\sqrt{x+ax+1} + \sqrt{x+1})$$

$$(\sqrt{x+ax+1} + \sqrt{x+1}) = \lim_{a \to a} \int_{conv} \int_{x+ax+1} + \sqrt{x+1}$$

$$= 1$$

Assignment: Pg. 104 1, 5 - 19 odd, 22, 24