



Calculus - A Derivative represents the slipe...

3 Limit

3 Deriv.

- Integ. represents the areabetween

a function of a line tangent to a curve at a given pt.

3 Deriv.

Definition of Deriv.

Sim. fix)-fia)

X-70

X-70

X-70

$$\lim_{X \to 16} \frac{\sqrt{X} - 4}{X - 16(xx + y)} = 0$$

$$\lim_{X \to 16} \frac{\sqrt{X} - 4}{(x - 16(xx + y))} = 0$$

$$\lim_{X \to 16} \frac{x + t}{(x + t)(\sqrt{x} + y)} = \frac{1}{8}$$

$$\lim_{X \to 16} \frac{x}{(x + t)(\sqrt{x} + y)} = \frac{1}{8}$$

$$\lim_{X \to 16} \frac{x}{(x + t)(\sqrt{x} + y)} = \frac{1}{8}$$

$$\lim_{X \to 2^{-}} \frac{1}{(x + t)(\sqrt{x} + y)} = 0$$

$$\lim_{X \to 2^{-}} \frac{1}{(x + t)(x + y)} = 0$$

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$$f_{1}(x) = \sqrt{\frac{\chi^{3}+7\chi+4}{(8\chi^{2}-6\chi)^{9}}} = \left(\frac{\chi^{3}+7\chi+4}{(8\chi^{2}-6\chi)^{9}}\right)^{1/2}$$

$$F_{1}(x) = \int (8\chi^{2}-6\chi)^{9} = \left(\frac{\chi^{3}+7\chi+4}{(8\chi^{2}-6\chi)^{9}}\right)^{1/2}$$

$$f'(x) = \int (8\chi^{2}-6\chi)^{9} \cdot (3\chi^{2}+7) - (\chi^{3}+7\chi+4) \cdot 9(8\chi^{2}+\chi) \cdot (5\chi^{2}-6)$$

$$(8\chi^{2}-6\chi)^{18}$$