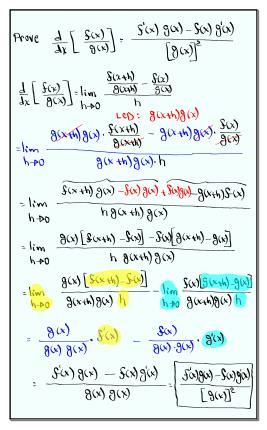
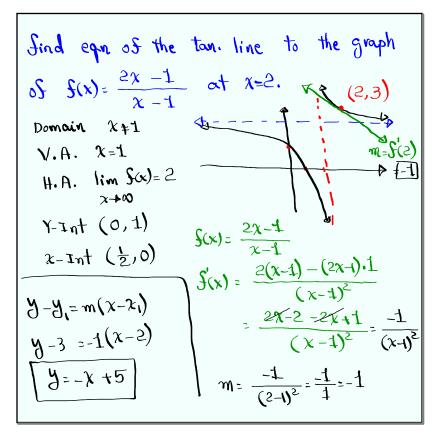


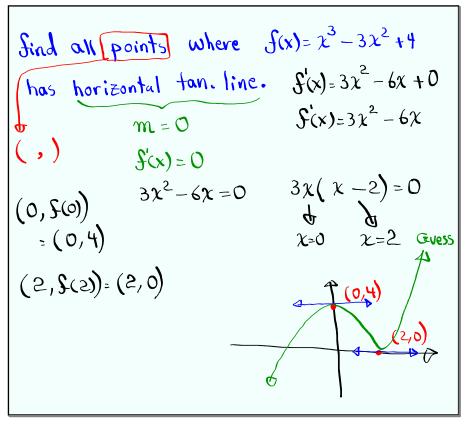
Feb 19-8:47 AM

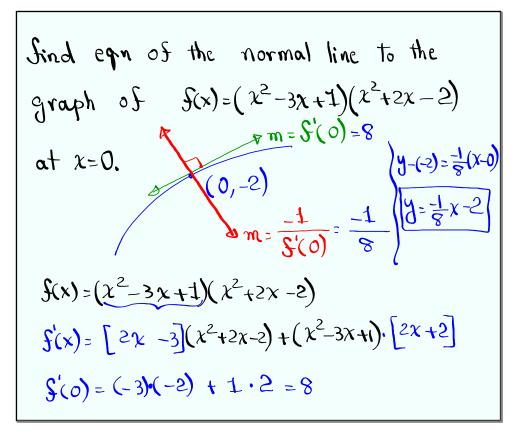


Oct 8-8:32 AM

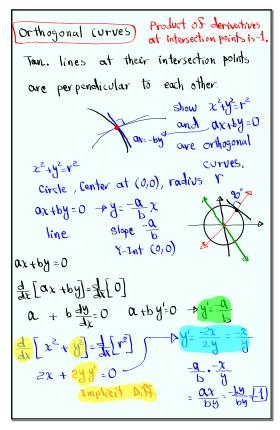


Oct 9-7:39 AM





Oct 9-7:54 AM



Oct 9-8:03 AM

$$\frac{d}{dx} \left[S(x) \right] = \lim_{h \to 0} \frac{S(x+h) - S(x)}{h}$$

$$\frac{d}{dx} \left[S(x) \right]_{x=0}^{x} = \lim_{x \to 0} \frac{S(x) - S(x)}{x - 0}$$

$$\frac{d}{dx} \left[S(x) \right]_{x=0}^{x} = \lim_{x \to 0} \frac{S(x) - S(x)}{x - 0}$$

$$\frac{d}{dx} \left[S(x) \right]_{x=0}^{x} = \lim_{x \to 0} \frac{S(x) - S(x)}{x - 0}$$

$$\frac{d}{dx} \left[S(x) \right]_{x=0}^{x} = \lim_{x \to 0} \frac{S(x) - S(x)}{x - 0}$$

$$\frac{d}{dx} \left[S(x) \right]_{x=0}^{x} = \lim_{x \to 0} \frac{S(x) - S(x)}{x - 0}$$

$$\frac{d}{dx} \left[S(x) \right]_{x=0}^{x} = \lim_{x \to 0} \frac{S(x) - S(x)}{x - 0}$$

$$\frac{d}{dx} \left[S(x) \cdot g(x) \right]_{x=0}^{x} = \frac{d}{dx} \left[S(x) \cdot g(x) \right]_{x=0}^{x}$$

$$\frac{d}{dx} \left[S(x) \cdot g(x) \right]_{x=0}^{x} = \frac{d}{dx} \left[S(x) \cdot g(x) \right]_{x=0}^{x}$$

$$\frac{d}{dx} \left[S(x) \cdot g(x) \right]_{x=0}^{x} = \frac{d}{dx} \left[S(x) \cdot g(x) \right]_{x=0}^{x}$$

$$\frac{d}{dx} \left[S(x) \cdot g(x) \right]_{x=0}^{x} = \frac{d}{dx} \left[S(x) \cdot g(x) \right]_{x=0}^{x}$$

$$\frac{d}{dx} \left[S(x) \cdot g(x) \right]_{x=0}^{x} = \frac{d}{dx} \left[S(x) \cdot g(x) \right]_{x=0}^{x}$$

$$\frac{d}{dx} \left[S(x) \cdot g(x) \right]_{x=0}^{x} = \frac{d}{dx} \left[S(x) \cdot g(x) \right]_{x=0}^{x}$$

$$\frac{d}{dx} \left[S(x) \cdot g(x) \right]_{x=0}^{x} = \frac{d}{dx} \left[S(x) \cdot g(x) \right]_{x=0}^{x}$$

$$\frac{d}{dx} \left[S(x) \cdot g(x) \right]_{x=0}^{x} = \frac{d}{dx} \left[S(x) \cdot g(x) \right]_{x=0}^{x}$$

$$\frac{d}{dx} \left[S(x) \cdot g(x) \right]_{x=0}^{x} = \frac{d}{dx} \left[S(x) \cdot g(x) \right]_{x=0}^{x}$$

$$\frac{d}{dx} \left[S(x) \cdot g(x) \right]_{x=0}^{x} = \frac{d}{dx} \left[S(x) \cdot g(x) \right]_{x=0}^{x}$$

$$\frac{d}{dx} \left[S(x) \cdot g(x) \right]_{x=0}^{x} = \frac{d}{dx} \left[S(x) \cdot g(x) \right]_{x=0}^{x}$$

Oct 9-8:16 AM

$$\frac{d}{dx} \left[\operatorname{Sin} x \right] = \operatorname{Cos} x$$

$$\frac{d}{dx} \left[\operatorname{tan} x \right] = \operatorname{Sec} x$$

$$\frac{d}{dx} \left[\operatorname{tan} x \right] = \operatorname{Sec} x$$

$$\frac{d}{dx} \left[\operatorname{cot} x \right] = - \operatorname{Csc} x$$

$$\frac{d}{dx} \left[\operatorname{Sec} x \right] = \operatorname{Sec} x \operatorname{tan} x$$

$$\frac{d}{dx} \left[\operatorname{Sec} x \right] = - \operatorname{Csc} x \operatorname{cot} x$$

Sind
$$S(x)$$
 Sor $S(x) = \frac{1 - Sec \chi}{\tan \chi}$

$$S'(x) = \frac{\frac{1}{4x} [1 - Sec \chi] \cdot \tan \chi}{[\tan \chi]^2}$$

$$= \frac{-Sec \chi \tan \chi}{\tan \chi} - (1 - Sec \chi) \cdot \frac{1}{4x} [\tan \chi]$$

$$= \frac{-Sec \chi \tan \chi}{\tan \chi} - (1 - Sec \chi) \cdot \frac{1}{5ec \chi}$$

$$= \frac{-Sec \chi}{\tan^2 \chi} - (1 - Sec \chi) \cdot \frac{1}{5ec \chi}$$
Recall
$$= \frac{-Sec \chi}{\tan^2 \chi} - (1 - Sec \chi) \cdot \frac{1}{5ec \chi}$$

$$= \frac{-Sec \chi}{\tan^2 \chi} - (1 - Sec \chi) \cdot \frac{1}{5ec \chi} + \frac{1}{5ec \chi}$$

$$= \frac{-Sec \chi}{\tan^2 \chi} - \frac{1}{-tan^2 \chi} + \frac{Sec \chi}{\tan^2 \chi}$$

$$= \frac{-Sec \chi}{(Sec \chi - 1)} - \frac{Sec \chi}{Sec \chi} - \frac{1}{-Sec \chi}$$

$$= \frac{-Sec \chi}{(Sec \chi - 1)} - \frac{-Sec \chi}{Sec \chi} - \frac{1}{-Sec \chi}$$

Oct 9-8:23 AM

