



 $\frac{1}{\sqrt{1}} \sin(x) + y\cos(x) = x \sin(x) \qquad y(\frac{\pi 2}{2}) = 2$ $\frac{1}{\sqrt{1}} \sin(x) + y\cos(x) = 0$ $\frac{1}{\sqrt{1}} \sin(x) = -y\cos(x)$ $\frac{1}{\sqrt{1}} \sin(x) = -y\cos(x)$ $\frac{1}{\sqrt{1}} \sin(x) = -y\cos(x)$

 $\frac{dy_{h}}{dx_{h}} = \int \cot(x) dx_{h} = \frac{1}{2} \ln \left| \sin(x) \right| + \left(\frac{1}{2} - \frac{1}{2} \ln \left| \sin(x) \right| + \left(\frac{1}{2} - \frac{1}{2} \ln \left| \sin(x) \right| + \left(\frac{1}{2} - \frac{1}{2} \ln \left| \sin(x) \right| + \left(\frac{1}{2} - \frac{1}{2} \ln \left| \sin(x) \right| + \left(\frac{1}{2} - \frac{1}{2} \ln \left| \sin(x) \right| + \left(\frac{1}{2} - \frac{1}{2} \ln \left| \sin(x) \right| + \left(\frac{1}{2} - \frac{1}{2} \ln \left| \sin(x) \right| + \left(\frac{1}{2} - \frac{1}{2} \ln \left| \sin(x) \right| + \left(\frac{1}{2} - \frac{1}{2} \ln \left| \sin(x) \right| + \left(\frac{1}{2} - \frac{1}{2} \ln \left| \sin(x) \right| + \left(\frac{1}{2} - \frac{1}{2} \ln \left| \sin(x) \right| + \left(\frac{1}{2} - \frac{1}{2} \ln \left| \sin(x) \right| + \left(\frac{1}{2} - \frac{1}{2} \ln \left| \sin(x) \right| + \left(\frac{1}{2} - \frac{1}{2} \ln \left| \sin(x) \right| + \left(\frac{1}{2} - \frac{1}{2} \ln \left| \sin(x) \right| + \left(\frac{1}{2} - \frac{1}{2} \ln \left| \sin(x) \right| + \left(\frac{1}{2} - \frac{1}{2} \ln \left| \sin(x) \right| + \left(\frac{1}{2} - \frac{1}{2} \ln \left| \sin(x) \right| + \left(\frac{1}{2} - \frac{1}{2} \ln \left| \sin(x) \right| + \left(\frac{1}{2} - \frac{1}{2} \ln \left| \sin(x) \right| + \left(\frac{1}{2} - \frac{1}{2} \ln \left| \sin(x) \right| + \left(\frac{1}{2} - \frac{1}{2} \ln \left| \sin(x) \right| + \left(\frac{1}{2} - \frac{1}{2} \ln \left| \sin(x) \right| + \left(\frac{1}{2} - \frac{1}{2} \ln \left| \sin(x) \right| + \left(\frac{1}{2} - \frac{1}{2} \ln \left| \sin(x) \right| + \left(\frac{1}{2} - \frac{1}{2} \ln \left| \sin(x) \right| + \left(\frac{1}{2} - \frac{1}{2} \ln \left| \sin(x) \right| + \left(\frac{1}{2} - \frac{1}{2} \ln \left| \sin(x) \right| + \left(\frac{1}{2} - \frac{1}{2} \ln \left| \sin(x) \right| + \left(\frac{1}{2} - \frac{1}{2} \ln \left| \sin(x) \right| + \left(\frac{1}{2} - \frac{1}{2} \ln \left| \sin(x) \right| + \left(\frac{1}{2} - \frac{1}{2} \ln \left| \sin(x) \right| + \left(\frac{1}{2} - \frac{1}{2} \ln \left| \sin(x) \right| + \left(\frac{1}{2} - \frac{1}{2} \ln \left| \sin(x) \right| + \left(\frac{1}{2} - \frac{1}{2} \ln \left| \sin(x) \right| + \left(\frac{1}{2} - \frac{1}{2} \ln \left| \sin(x) \right| + \left(\frac{1}{2} - \frac{1}{2} \ln \left| \sin(x) \right| + \left(\frac{1}{2} - \frac{1}{2} \ln \left| \sin(x) \right| + \left(\frac{1}{2} - \frac{1}{2} \ln \left| \sin(x) \right| + \left(\frac{1}{2} - \frac{1}{2} \ln \left| \sin(x) \right| + \left(\frac{1}{2} - \frac{1}{2} \ln \left| \sin(x) \right| + \left(\frac{1}{2} - \frac{1}{2} \ln \left| \sin(x) \right| + \left(\frac{1}{2} - \frac{1}{2} \ln \left| \sin(x) \right| + \left(\frac{1}{2} - \frac{1}{2} \ln \left| \sin(x) \right| + \left(\frac{1}{2} - \frac{1}{2} \ln \left| \sin(x) \right| + \left(\frac{1}{2} - \frac{1}{2} \ln \left| \sin(x) \right| + \left(\frac{1}{2} - \frac{1}{2} \ln \left| \sin(x) \right| + \left(\frac{1}{2} - \frac{1}{2} \ln \left| \sin(x) \right| + \left(\frac{1}{2} - \frac{1}{2} \ln \left| \sin(x) \right| + \left(\frac{1}{2} - \frac{1}{2} \ln \left| \sin(x) \right| + \left(\frac{1}{2} - \frac{1}{2} \ln \left| \cos(x) \right| + \left(\frac{1}{2} - \frac{1}{2} \ln \left| \cos(x) \right| + \left(\frac{1}{2} - \frac{1}{2} \ln \left| \cos(x) \right| + \left(\frac{1}{2} - \frac{1}{2} - \frac{1}{2} \ln \left| \cos(x) \right| + \left(\frac{1}{2} - \frac{1}{2} - \frac{1}{2}$

 $\frac{\sqrt{1-y'(x)}(sc(x))}{\sqrt{1-y'(x)}(sc(x))+\sqrt{1-y'(x)}(sc(x))} = \frac{1}{(sc(x))} =$

sinta) · (/sin(x)) · (v'(x) - v(x) cot(x)) + v(x)(/sin(x)) · (os (x) = x sin(x)

 $v'(x) = v(x) + v(x) + v(x) = x \sin(x)$ $v'(x) = x \sin(x)$ $v(x) = x \sin(x) - x \cos(x)$

 $\frac{1}{\sqrt{2}} = \frac{1 - x \cos(x)}{\sin(x)} = \frac{1 - x \cos(x)}{\sqrt{2}} = \frac{1}{\sqrt{2}} = \frac{1}{\sqrt{2}}$

