

$$\frac{\sqrt{1-x} \cdot \frac{1}{2} (1+x)^{-1/2} + \frac{1}{2} (1-x)^{-1/2} \sqrt{1+x}}{1-x}$$

$$\frac{1}{2} \left[\frac{\sqrt{1-x}}{\sqrt{1+x}} + \frac{\sqrt{1+x}}{\sqrt{1-x}} \right]$$

$$\text{LCM} = \sqrt{1+x} \sqrt{1-x} = \sqrt{1-x^2}$$

$$\frac{1}{2} \left[\frac{(1-x) + (1+x)}{\sqrt{1-x^2}} \right]$$

$$= \frac{1}{2} \cdot \frac{2}{\sqrt{1-x^2}}$$

$$= \frac{1}{\sqrt{1-x^2}}$$

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

OR:

$$\frac{\sqrt{1+x}}{1-x}$$