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

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

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

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

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