

$$1) \frac{1 - \sin d}{\cos d} = \frac{\cos d}{1 + \sin d}$$

$$\frac{(1 - \sin d)(1 + \sin d)}{\cos d \cdot (1 + \sin d)} =$$

$$\frac{1 - \sin^2 d}{\cos d (1 + \sin d)} =$$

$$\frac{\cos^2 d}{\cancel{\cos d} (1 + \sin d)} =$$

$$\boxed{\frac{\cos d}{1 + \sin d} = \frac{\cos d}{1 + \sin d}}$$

$$2) (\sec x + \tan x)(1 - \sin x) = \cos x$$

$$\left(\frac{1}{\cos x} + \frac{\sin x}{\cos x}\right) \cdot (1 - \sin x) =$$

$$\left(\frac{1 + \sin x}{\cos x}\right) \cdot (1 - \sin x) =$$

$$\frac{1 - \sin^2 x}{\cos x} =$$

$$\frac{\cos^2 x}{\cancel{\cos x}} =$$

$$\boxed{\cos x = \cos x}$$