$$\frac{1}{\csc\theta - 1} + \frac{1}{\csc\theta + 1} \equiv 2\tan\theta \sec\theta \qquad \theta \neq (90n)^{\circ}, \ n \in \mathbb{Z}$$

$$\theta \sec \theta \qquad \theta \neq (90)$$

(3)

(b) Hence solve, for $0 < x < 90^{\circ}$, the equation

$$\frac{1}{\cos^2 x} + \frac{1}{\cos^2 x}$$

$$\frac{1}{\csc 2x - 1} + \frac{1}{\csc 2x + 1} = \cot 2x \sec 2x$$

Give each answer, in degrees, to one decimal place.