(a) Show that

$$\frac{1}{\cos \theta} + \tan \theta \equiv \frac{\cos \theta}{1 - \sin \theta} \qquad \theta \neq (2n+1)90^{\circ} \quad n \in \mathbb{Z}$$

Given that 
$$\cos 2x \neq 0$$

(b) solve for 
$$0 < x < 90^{\circ}$$

$$2r = 3\cos 2r$$

(3)

$$\frac{1}{\cos 2x} + \tan 2x = 3\cos 2x$$

$$\frac{1}{\cos 2x} + \tan 2x = 3\cos 2$$

giving your answers to one decimal place.