(a)	Prove that $\cos x + \sin x \tan x \equiv \frac{1}{\cos x}$ (where $x \neq \frac{1}{2}n\pi$ for any odd integer <i>n</i> ).	[3]
(b)	Solve the equation $2\sin^2 x = \cos^2 x$ for $0^\circ \le x \le 180^\circ$ .	[2]