

- 4** **(i)** Show that the equation $2 \sin x \tan x + 3 = 0$ can be expressed as $2 \cos^2 x - 3 \cos x - 2 = 0$. [2]
- (ii)** Solve the equation $2 \sin x \tan x + 3 = 0$ for $0^\circ \leq x \leq 360^\circ$. [3]