

- 2** (i) Show that the equation $2 \tan^2 \theta \cos \theta = 3$ can be written in the form $2 \cos^2 \theta + 3 \cos \theta - 2 = 0$. [2]
- (ii) Hence solve the equation $2 \tan^2 \theta \cos \theta = 3$, for $0^\circ \leq \theta \leq 360^\circ$. [3]