

(i) Solve the equation $2 \cos x + 3 \sin x = 0$, for $0^\circ \leq x \leq 360^\circ$.

[3]

[illegible]

- (iii) Use your answers to parts (i) and (ii) to find the set of values of x for $0^\circ \leq x \leq 360^\circ$ for which $2 \cos x + 3 \sin x > 0$. [2]

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.