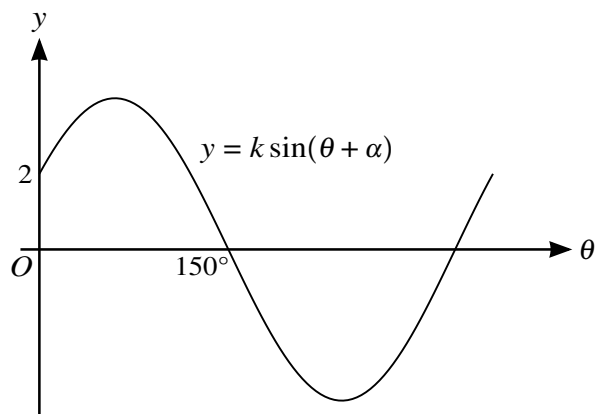


- [illegible]

(b)



The diagram shows part of the graph of $y = k \sin(\theta + \alpha)$, where k and α are constants and $0^\circ < \alpha < 180^\circ$. Find the value of α and the value of k . [2]

This image shows a full page of white paper with horizontal dotted lines. The lines are evenly spaced and run across the width of the page, providing a guide for handwriting practice. There are no margins, text, or other markings on the page.