

2 In this question you must show detailed reasoning.

Fig. 2 shows the graphs of $y = 4 \sin x^\circ$ and $y = 3 \cos x^\circ$ for $0 \leq x \leq 360$.

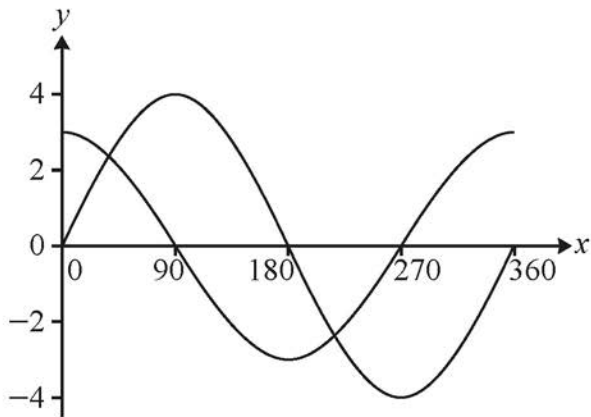


Fig. 2

Find the x -coordinates of the two points of intersection, giving your answers correct to 1 decimal place. [3]