

AQA – Trigonometry – AS Mathematics P2

1. June/2020/Paper_2/No.4

Find all the solutions of

$$9 \sin^2 x - 6 \sin x + \cos^2 x = 0$$

where $0^\circ \leq x \leq 180^\circ$

Give your solutions to the nearest degree.

Fully justify your answer.

[4 marks]

2. June/2019/Paper_2/No.3

It is given that $\sin \theta = -0.1$ and $180^\circ < \theta < 270^\circ$

Find the exact value of $\cos \theta$

[2 marks]
