

6 Giving your solutions to 3 decimal places, solve the equation

(a) $\cos x = 0.4$ $-\pi < x < \pi$ (2)

(b) $\tan\left(2\theta + \frac{\pi}{4}\right) = 1.5$ $0 < \theta < \pi$ (4)

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Question 6 continued**(Total for Question 6 is 6 marks)**

P 4 6 2 4 2 A 0 1 5 3 6