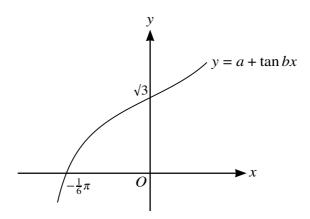
7	(a)	Solve the equation $3\sin^2 2\theta + 8\cos 2\theta = 0$ for $0^{\circ} \le \theta \le 180^{\circ}$.	[5]
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(b)



The diagram shows part of the graph of $y = a + \tan bx$, where x is matrix b are constants. The curve intersects the x -axis at $\left(-\frac{1}{6}\pi, 0\right)$ and the values of a and b .	easured in radians and a and e y-axis at $(0, \sqrt{3})$. Find the [3]