

Vi. $y = \sqrt{6x^2 - 3x + 5}$

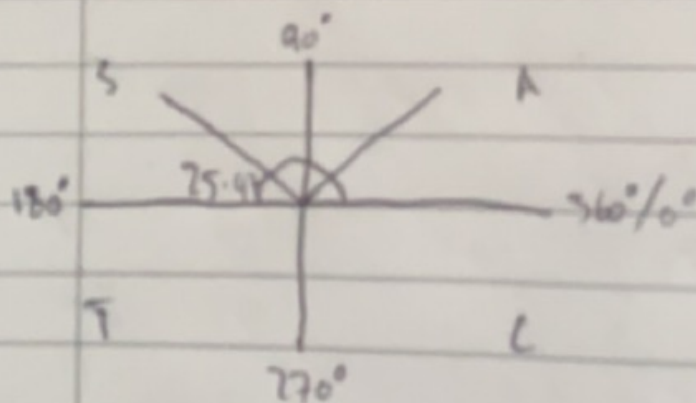
$$y = (6x^2 - 3x + 5)^{0.5}$$

$$\frac{dy}{dx} = 0.5(6x^2 - 3x + 5)^{-0.5} (12x - 3)$$

2 i. $\sin x = 0.43$

$$x = \sin^{-1}(0.43)$$

$$x = \sin^{-1}(0.43) = 25.47$$



$$x = 180 - 25.47$$