

2.10

$$\begin{aligned} 2y + 3 \sin x &> 2 \\ 1 - 2 \sin^2 x + 3 \sin x &> 2 \\ 0 &> 2 \sin^2 x - 3 \sin x + 1 \end{aligned}$$



$$-\frac{1}{2} < \sin x < \frac{1}{2}$$

$$2\pi k + \frac{\pi}{6} < x < \frac{\pi}{2} + 2\pi k$$

$$2\pi k + \frac{\pi}{2} < x < \frac{5\pi}{6} + 2\pi k$$