

R2
2

$$4 \sin^2 X + 4 \sin X - 3 < 0$$

$$-1.5 < \sin X < 0.5$$

$$-1 < \sin X < 0.5 \rightarrow$$



$$2\pi k < 0 < x < \frac{\pi}{6} + 2\pi k$$

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

$$\left. \begin{array}{l} 0 \leq x < \frac{\pi}{6} \\ \frac{5\pi}{6} < x \leq 2\pi \\ \frac{7\pi}{6} \leq x < \frac{11\pi}{6} \end{array} \right\} \begin{array}{l} 0 \leq x < \frac{\pi}{6} \\ \frac{5\pi}{6} < x \leq 2\pi \\ -2\pi < x < -\frac{11\pi}{6} \end{array}$$