

4.5
4

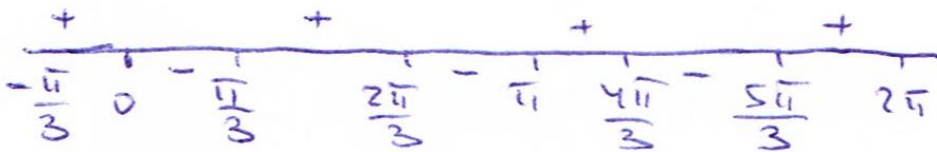
$$\sin^3 x \leq 3 \sin x \cos^2 x$$

$$\sin x (\sin^2 x - 3 \cos^2 x) \leq 0$$

$$\downarrow$$
$$x = \pi k$$

$$\tan^2 x = 3$$

$$x = \pm \frac{\sqrt{3}}{2} + \pi k$$



$$\left| 0 + \frac{2\sqrt{3}}{3}k \leq x \leq \frac{2\sqrt{3}}{3} + \frac{2\sqrt{3}}{3}k \right|$$