

2.15
1

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

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

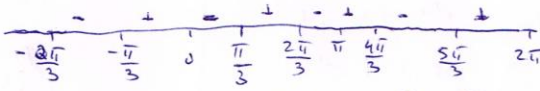
$$\sin x (1 - 4 \cos^2 x) \leq 0$$

$$\downarrow \quad \cos x = \pm \frac{1}{2}$$

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

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

$| \sin x \leq \frac{1}{3} |$



$$\frac{2\pi k}{3} \leq x \leq \frac{2\pi k}{3} + \frac{\pi}{3}$$