

2.76
7

$$2g^4x \geq \cos^2x$$

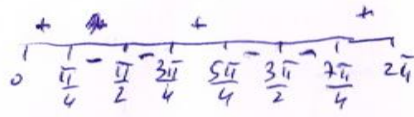
$$g^2x(2g^2x-1) \geq 0$$

$$g^2x \cdot g_{2x} \geq 0$$

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

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

$$x = \frac{\pi}{4} + \frac{\pi k}{2}$$



$$2\pi k + 0 < x < \frac{\pi}{4} + 2\pi k$$

$$\frac{3\pi}{4} + 2\pi k < x < \frac{5\pi}{4} + 2\pi k$$

$$\frac{7\pi}{4} + 2\pi k < x < 2\pi + 2\pi k$$

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

$$\left. \begin{array}{l} \frac{3\pi}{4} + \pi k < x \\ < \frac{5\pi}{4} + \pi k \end{array} \right\}$$