

Ponavljanje - trigonometrijske rovnice i nerovnice

Riješi trigonometrijske rovnice :

a) KVADRATNE

$$-2\cos^2 x - \sin x = 1$$

$$\sin^2 x + 5\cos^2 x - 3 = -2\cos x$$

$$4\cos^2 x - 4\cos x + 1 = 0$$

$$\cos x + \cos 2x = 0$$

c) HOMOGENE

$$\sin^2 x + \cos^2 x - 1 = 3\sin x \cos x$$

$$\sin^2 x + 9\cos^2 x = 5\sin 2x$$

$$2\sin x \cos x + 5\cos^2 x = 4$$

$$2\sin^2 x - 3\sin x \cos x + \cos^2 x = 3$$

b) LINEARNE

$$\sin 2x - \sqrt{3} \cos 2x = -1$$

$$2\sin 2x - 5\cos 2x = -3$$

$$\cos x + 3\sin x = 5$$

$$\sin x + 7\cos x + 7 = 0$$

d) OSTALE

$$\sqrt{2} \cos\left(2x - \frac{\pi}{5}\right) - 1 = 0$$

$$\sin^4 x - \cos^4 x = 0.5$$

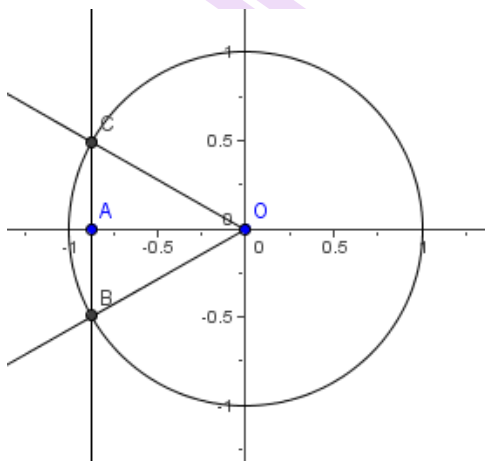
$$\cos 3x = \cos 5x$$

$$\sin\left(\frac{\pi}{3} + x\right) \cdot \sin\left(x - \frac{\pi}{3}\right) = \sin x$$

$$\sin^3 x \cdot \cos x - \cos^3 x \cdot \sin x = \frac{1}{8}$$

Napiši rovnice koju bi mogla predstavljati zadana skica :

a) $A = \left(-\frac{\sqrt{3}}{2}, 0\right)$



b)

