1. Решите уравнения:

a)
$$\sin\left(x - \frac{\pi}{3}\right) = 0$$

$$6) \cos\left(x + \frac{\pi}{6}\right) = 1$$

$$B) \operatorname{tg}\left(x + \frac{\pi}{4}\right) = 0$$

$$r) \cot\left(x - \frac{\pi}{4}\right) = 0$$

2. Решите уравнения:

a)
$$\sin 2x = \frac{1}{2}$$

$$\text{ f) } \cos \frac{x}{2} = -\frac{\sqrt{2}}{2}$$

$$B) \ \operatorname{tg}\left(\frac{\pi}{4} - 2x\right) = -\sqrt{3}$$

$$\Gamma) \operatorname{ctg}\left(\frac{\pi}{6} - 2x\right) = -\sqrt{3}$$

3. Решите уравнения:

a)
$$3\sin x = 2\cos^2 x$$

$$6) \sin 2x \cos x + 2\sin^3 x = 1$$

$$B) \cos 2x - \sin x = 0$$

r)
$$2\cos^2 x + 2\cos x + \sin^2 x = 0$$