Goniometrie – cvičení 6:

1) $2\sin^2 x = 1 - \sin x$ $\left\{\frac{\pi}{6} + k.\frac{2\pi}{3}; k \in Z\right\}$

2) $4\sin\left(2x - \frac{\pi}{6}\right) = -2$ $\left\{\frac{2\pi}{3} + k\pi; k\pi; k \in Z\right\}$

3) $\cot g\left(\frac{\pi}{6} - 2x\right) = \frac{\sqrt{3}}{3}$ $\left\{\frac{5\pi}{12} + k\frac{\pi}{2}; k \in Z\right\}$

4) $\cot g^2 x = \sqrt{3}\cot gx$ $\left\{\frac{\pi}{2} + k\pi; \frac{\pi}{6} + k\pi; k \in Z\right\}$

5) $\frac{1}{tgx} - 3tgx = 0$ $\left\{\frac{\pi}{6} + k\pi; \frac{5\pi}{6} + k\pi; k \in Z\right\}$

6) $2\sin(2x + \pi) + \sqrt{3} = 0$ $\left\{\frac{\pi}{6} + k\pi; \frac{\pi}{3} + k\pi; k \in Z\right\}$

7) $\frac{tg\left(-x + \frac{\pi}{6}\right)}{\sqrt{3}} = 1$ $\left\{\frac{5\pi}{6} + k\pi; k \in Z\right\}$

8) $\sin^2 3x - \sin 3x = 0$ $\left\{\frac{k\pi}{3}; \frac{\pi}{6} + \frac{2k\pi}{3}; k \in Z\right\}$