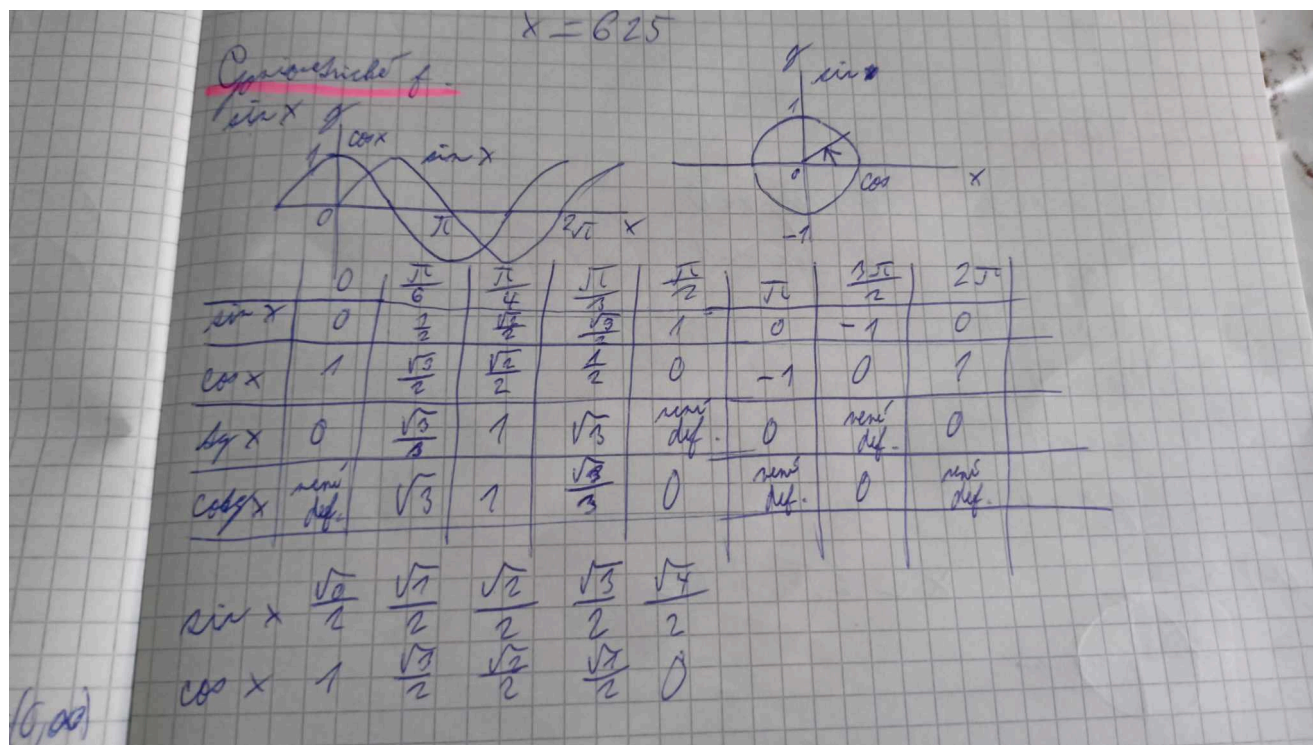
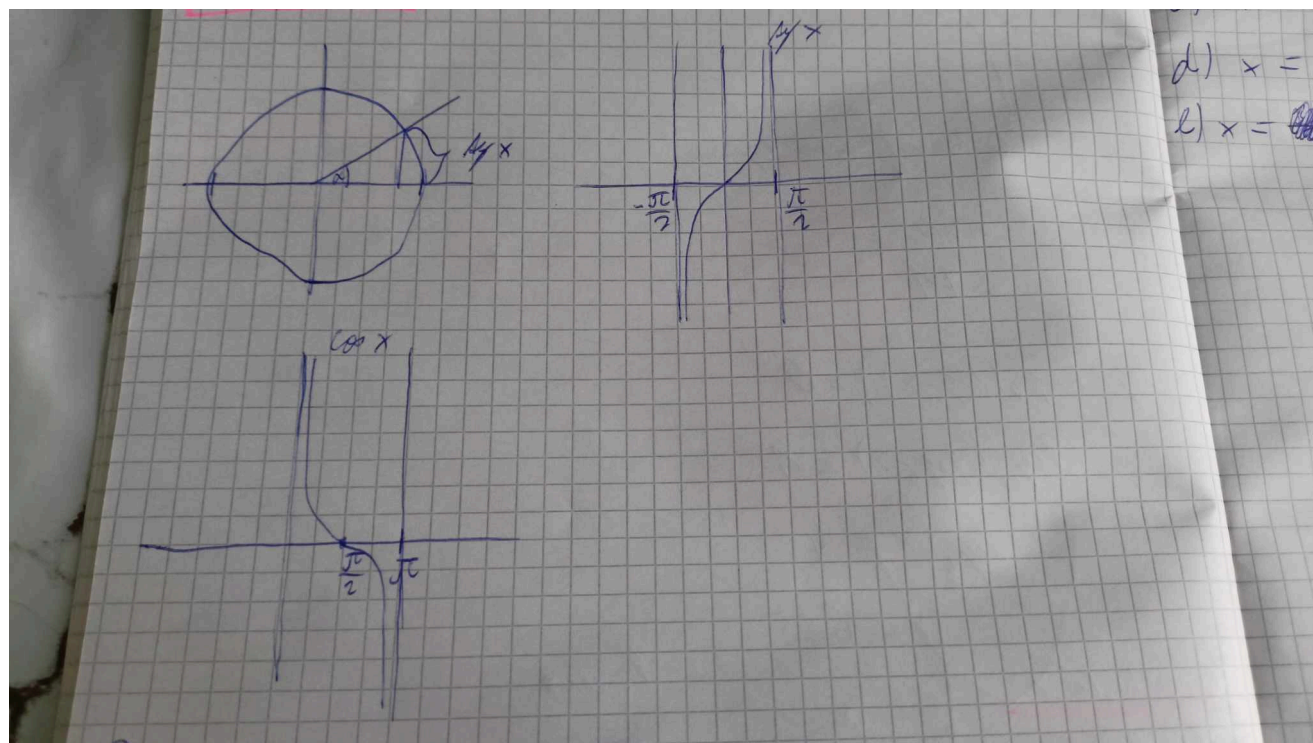


# M11 - Goniometrické funkce



$$\operatorname{tg}(x) = \frac{\sin(x)}{\cos(x)}$$

$$\operatorname{cotg}(x) = \frac{\cos(x)}{\sin(x)}$$



# Goniometrické rovnice

1.  $\sin(x) = 0$

2.  $\sin(x) = 1$

3.  $\sin(x) = -1$

4.  $\cos(x) = 0$

5.  $\cos(x) = 1$

6.  $x = k\pi, k \in \mathbb{Z}$

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

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

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

10.  $x = \pi + 2k\pi$