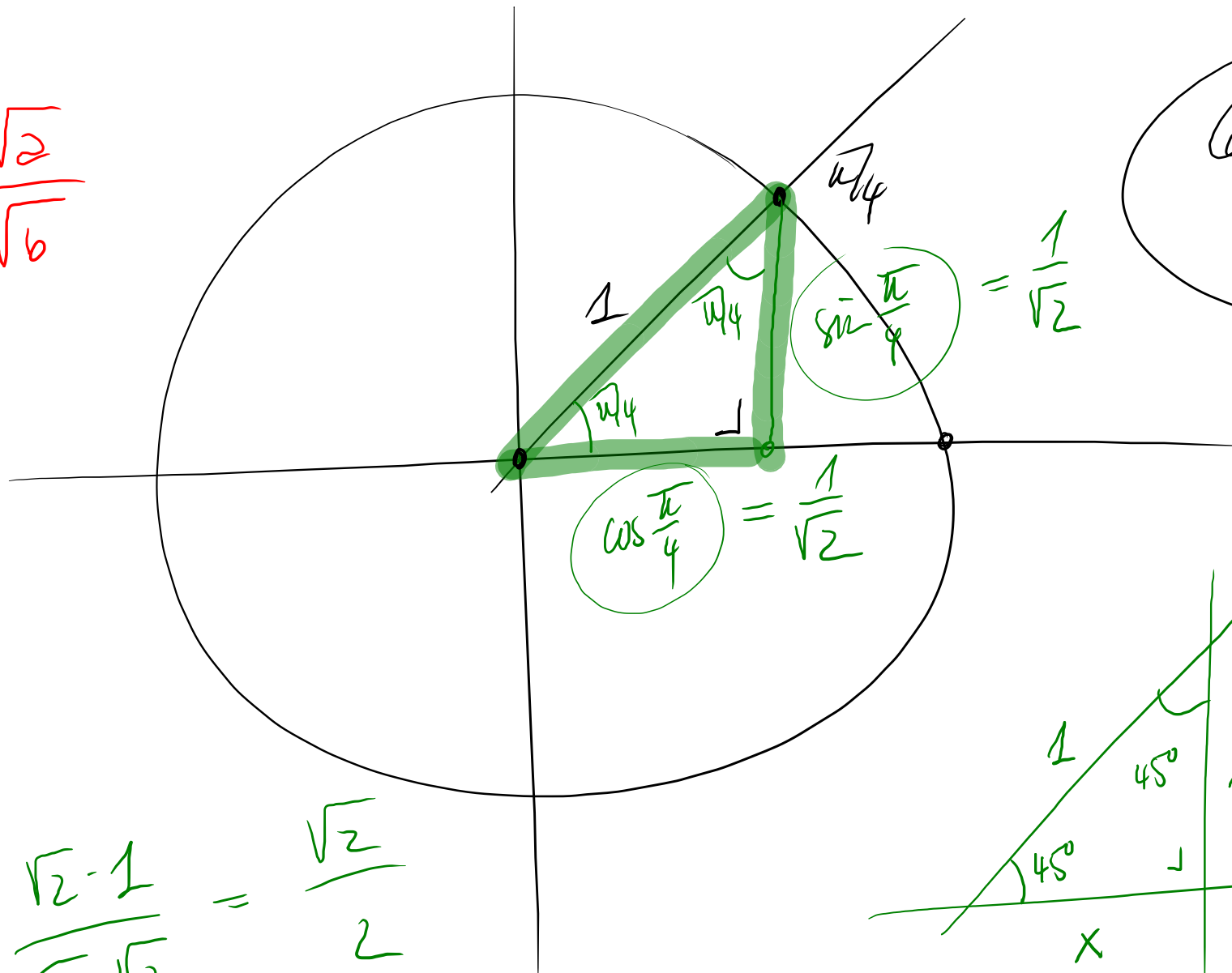


- $\sin 0 = 0$
- $\sin \frac{\pi}{2} = 1$
- $\sin \pi = 0$
- $\sin \frac{3\pi}{2} = -1$
- $\sin 2\pi = 0$

$$\sqrt{\frac{a}{b}} = \frac{\sqrt{a}}{\sqrt{b}}$$

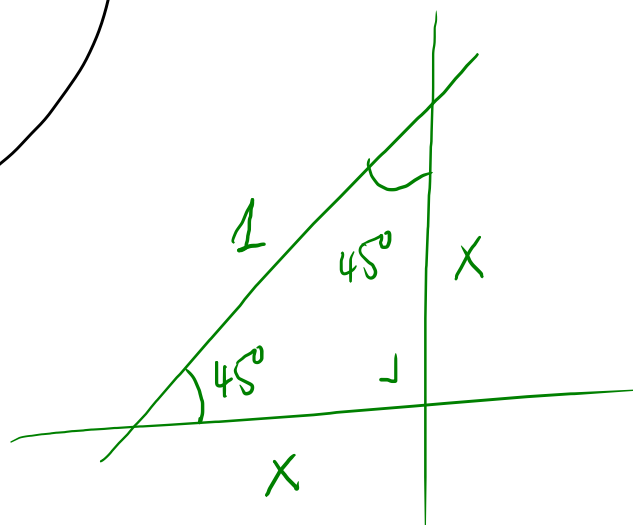
$$a, b \geq 0$$

$$b \neq 0$$



Cercle de rayon 1

$$\frac{1}{\sqrt{2}} = \frac{\sqrt{2} \cdot 1}{\sqrt{2} \cdot \sqrt{2}} = \frac{\sqrt{2}}{2}$$

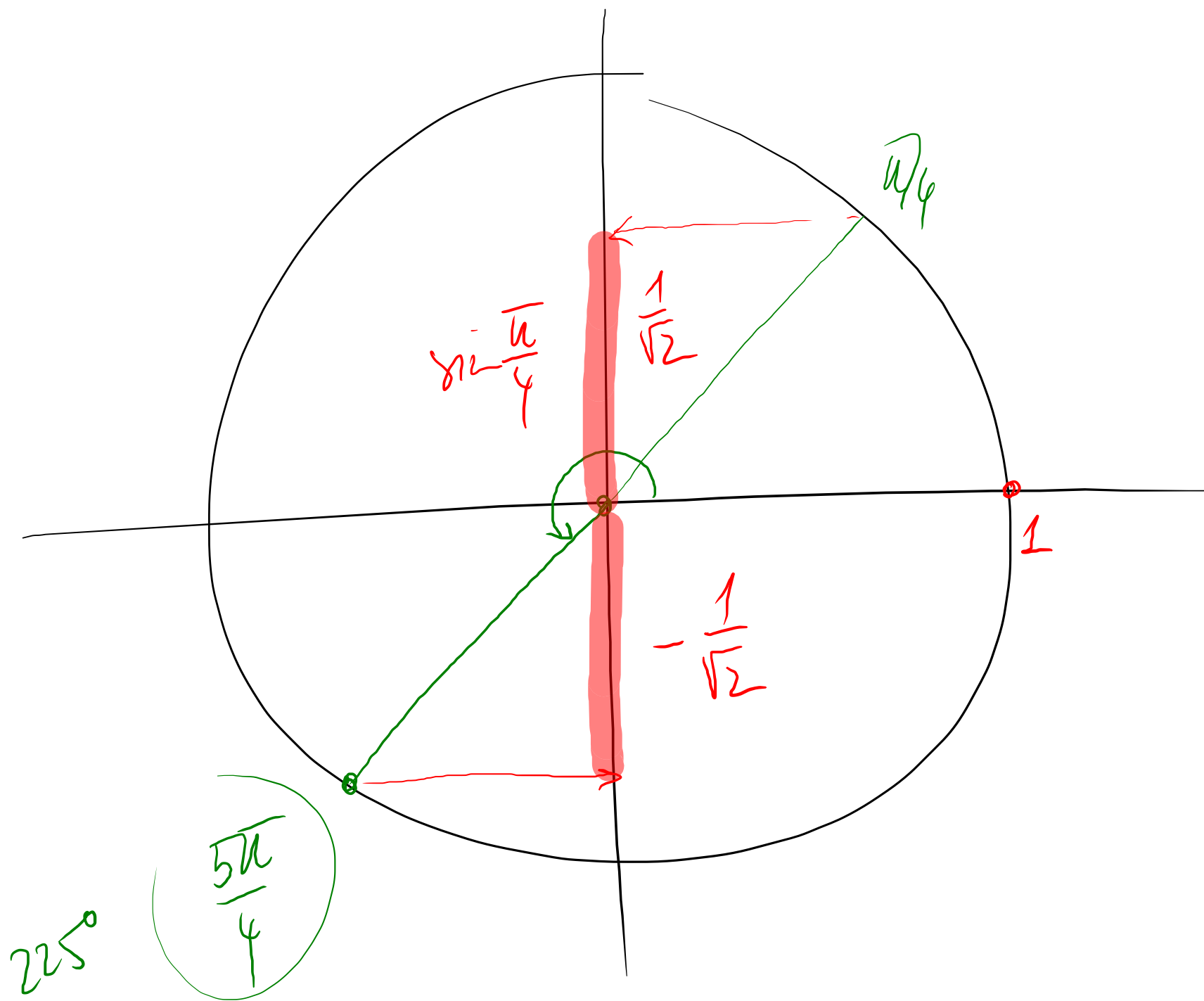


$$x^2 + x^2 = 1^2$$

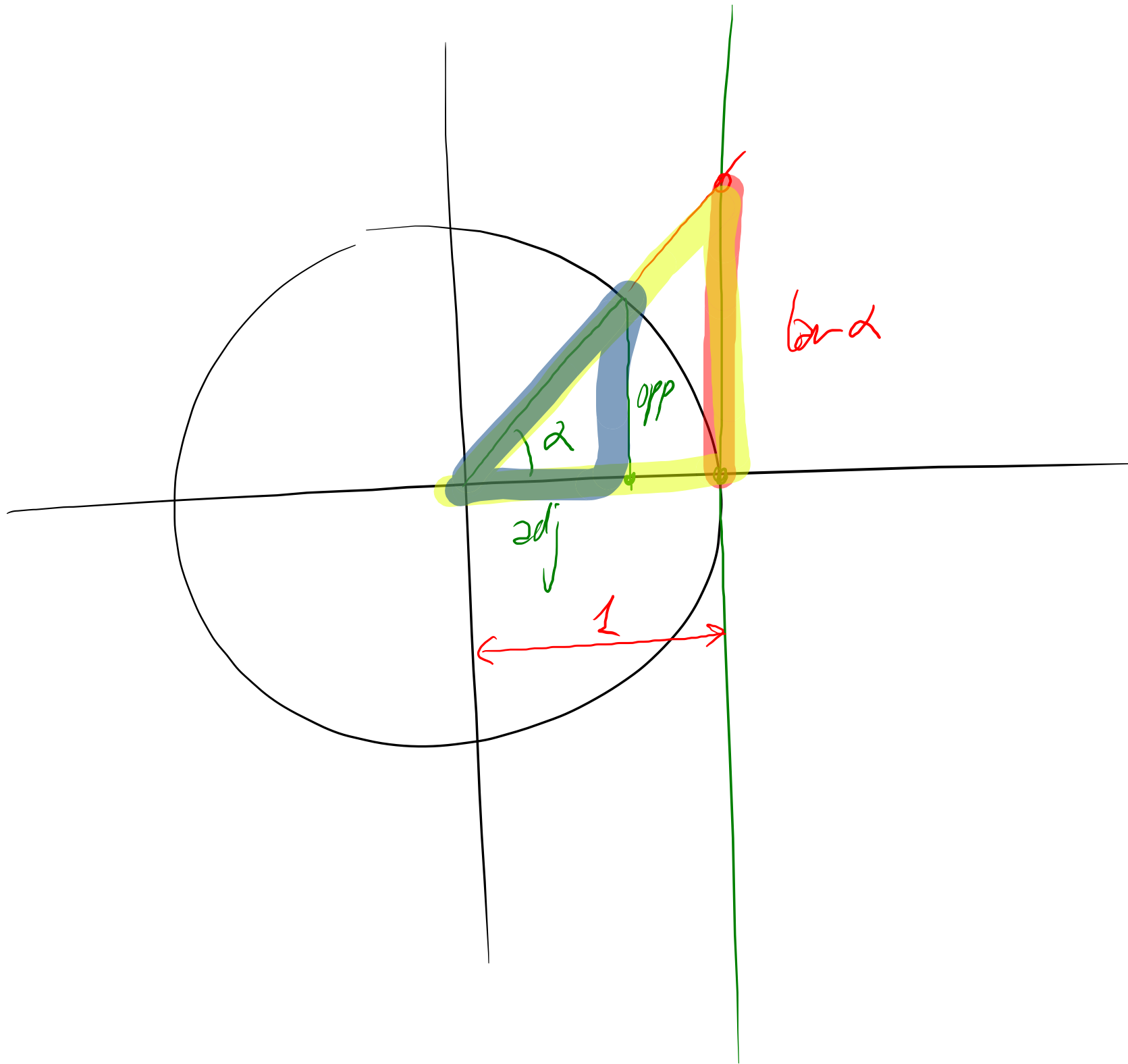
$$2x^2 = 1$$

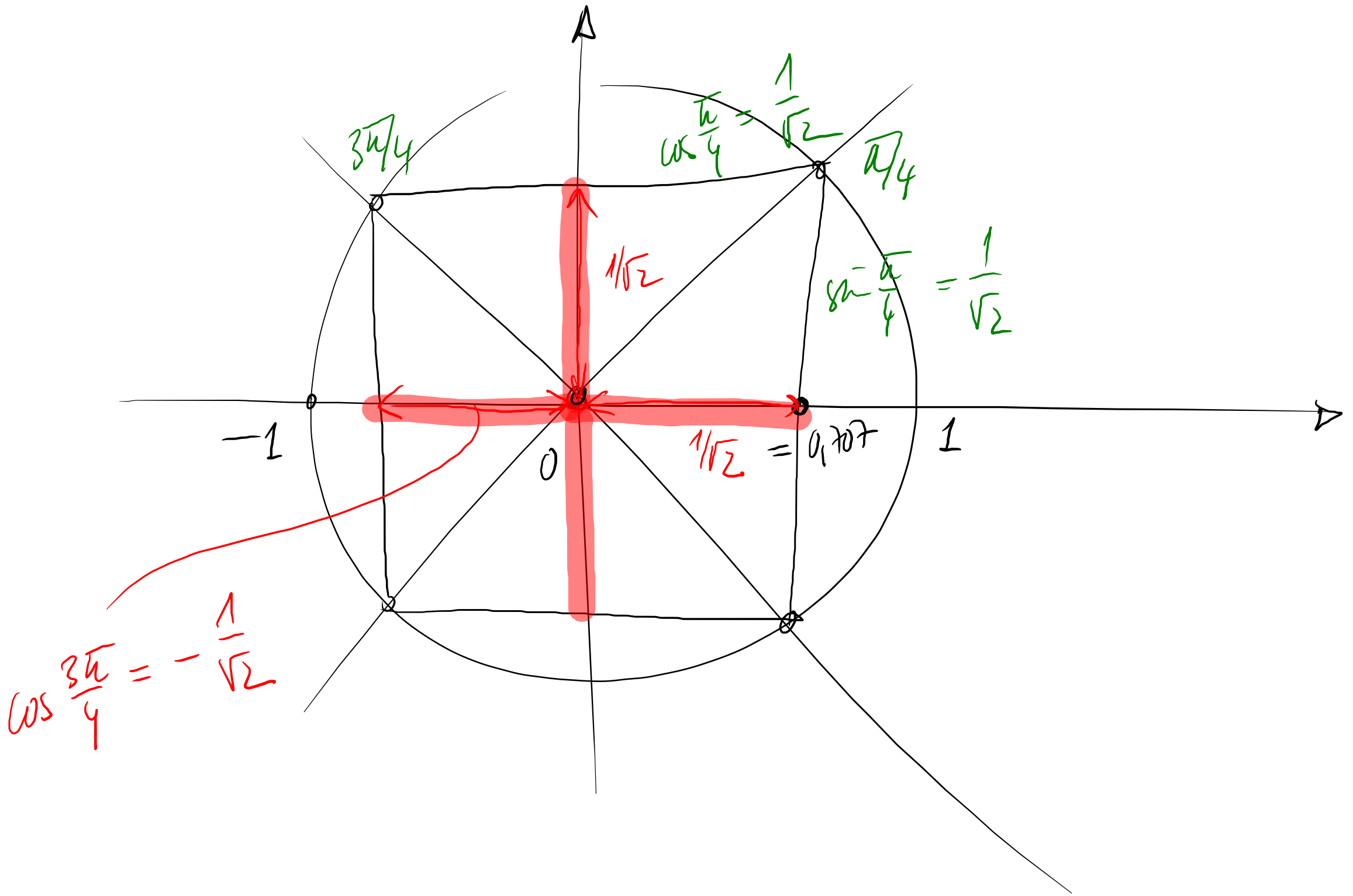
$$x^2 = \frac{1}{2}$$

$$x = \sqrt{\frac{1}{2}} = \frac{1}{\sqrt{2}}$$



$$\sin \frac{5\pi}{4} = -\frac{1}{\sqrt{2}}$$





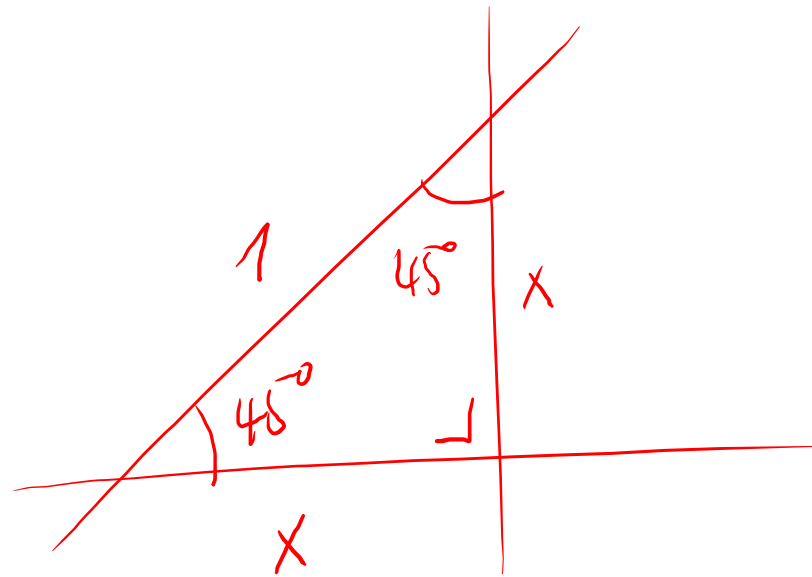
$$\cos \frac{3\pi}{4} = -\frac{1}{\sqrt{2}}$$

$$\cos \frac{\pi}{4} = \frac{1}{\sqrt{2}}$$

$$\sin \frac{\pi}{4} = \frac{1}{\sqrt{2}}$$

$$\frac{1}{\sqrt{2}} = 0.707$$

$$\frac{1}{\sqrt{2}}$$



$$x^2 + x^2 = 1^2$$

$$2x^2 = 1$$

$$\div 2 \downarrow \quad \downarrow \div 2$$

$$x^2 = \frac{1}{2}$$

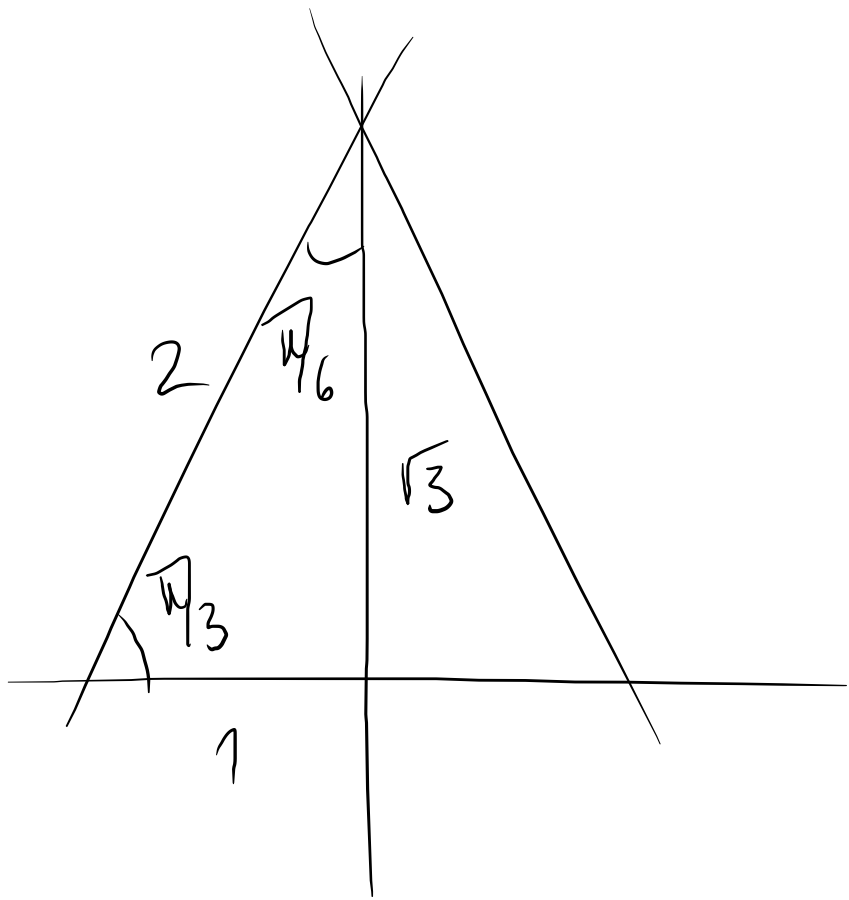
$$2y = 1$$

$$y = \frac{1}{2}$$

$$x = \sqrt{\frac{1}{2}}$$

$$= \frac{1}{\sqrt{2}} = \frac{\sqrt{2}}{2}$$

$$\frac{1}{\sqrt{2}} = \frac{\sqrt{2} \cdot 1}{\sqrt{2} \cdot \sqrt{2}} = \frac{\sqrt{2}}{2}$$



$$\sin \frac{\pi}{3} = \frac{\sqrt{3}}{2}$$

$$\cos \frac{\pi}{3} = \frac{1}{2}$$

$$\tan \frac{\pi}{3} = \sqrt{3}$$

$$\sin \frac{\pi}{6} = \frac{1}{2}$$

$$\cos \frac{\pi}{6} = \frac{\sqrt{3}}{2}$$

$$\tan \frac{\pi}{6} = \frac{1}{\sqrt{3}} = \frac{\sqrt{3}}{3}$$