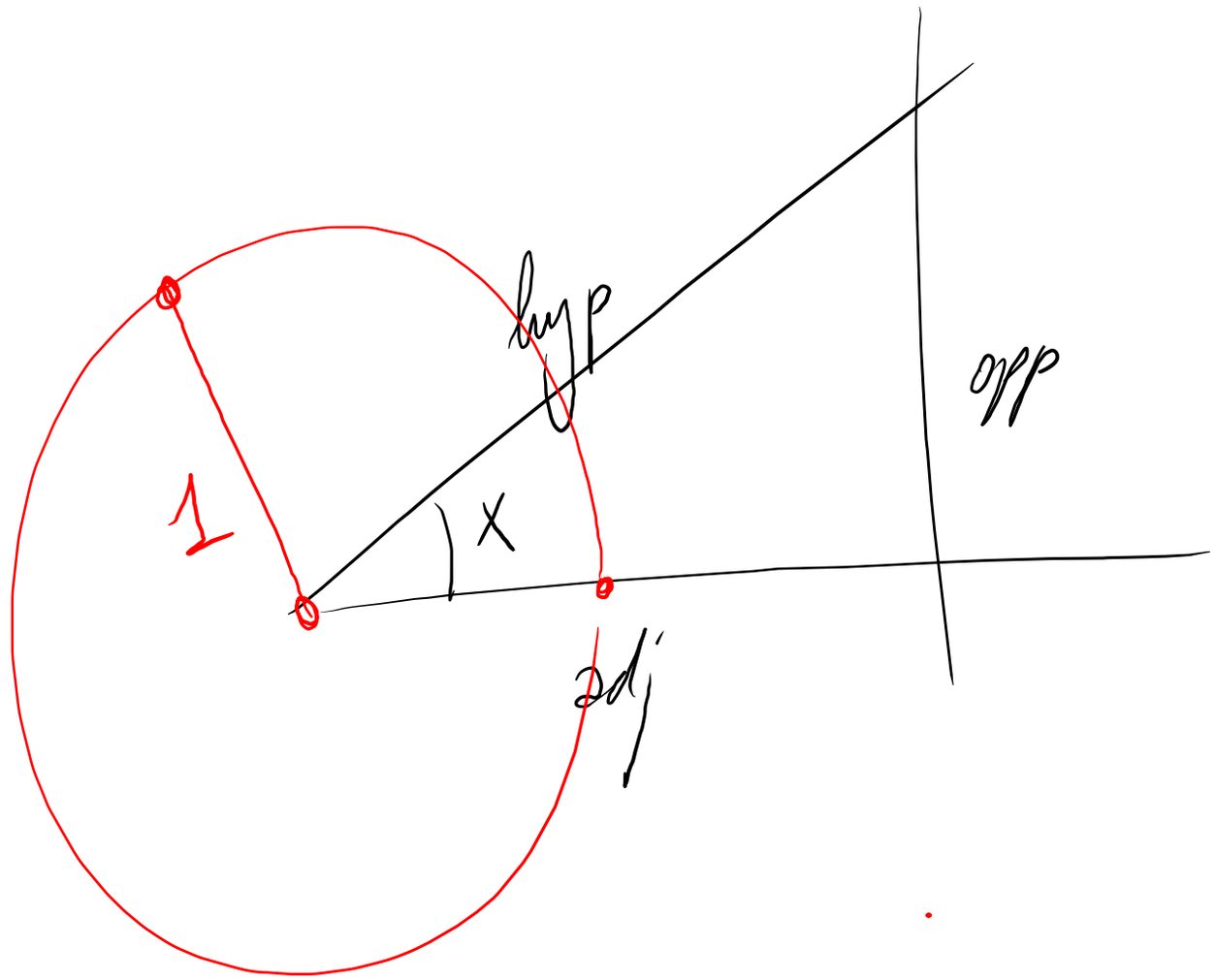
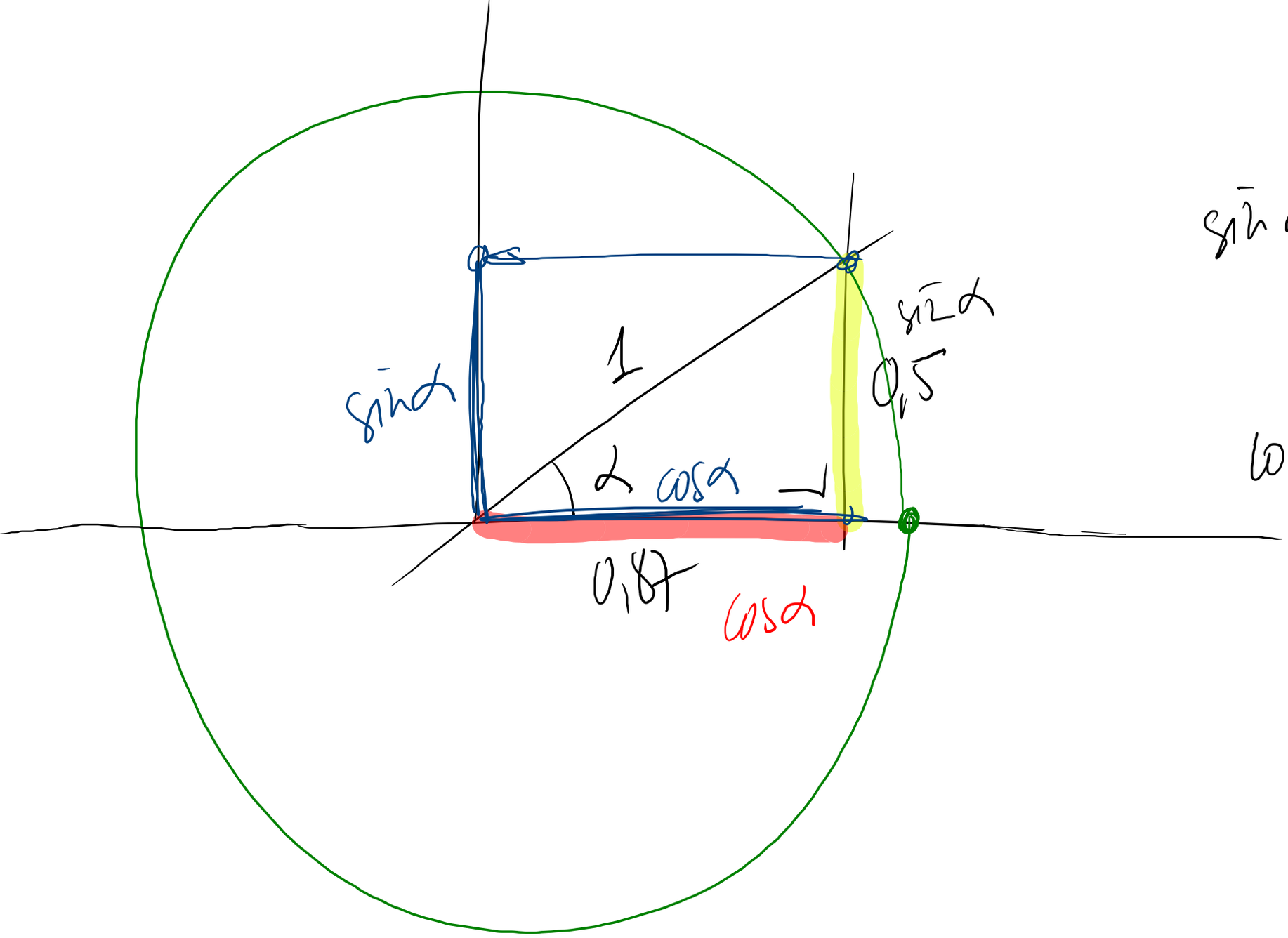


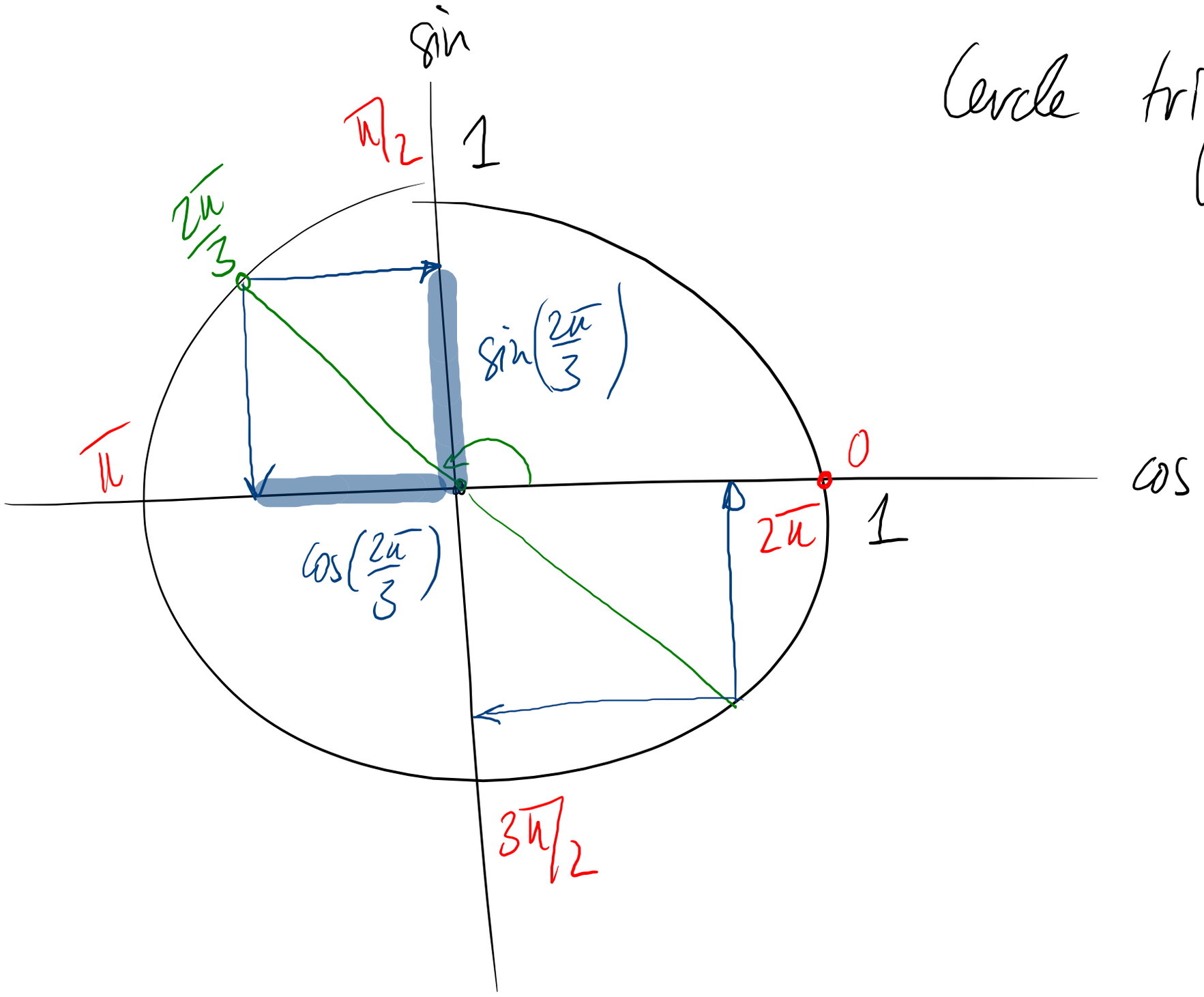
$$\sin(X) = \frac{opp}{hyp}$$

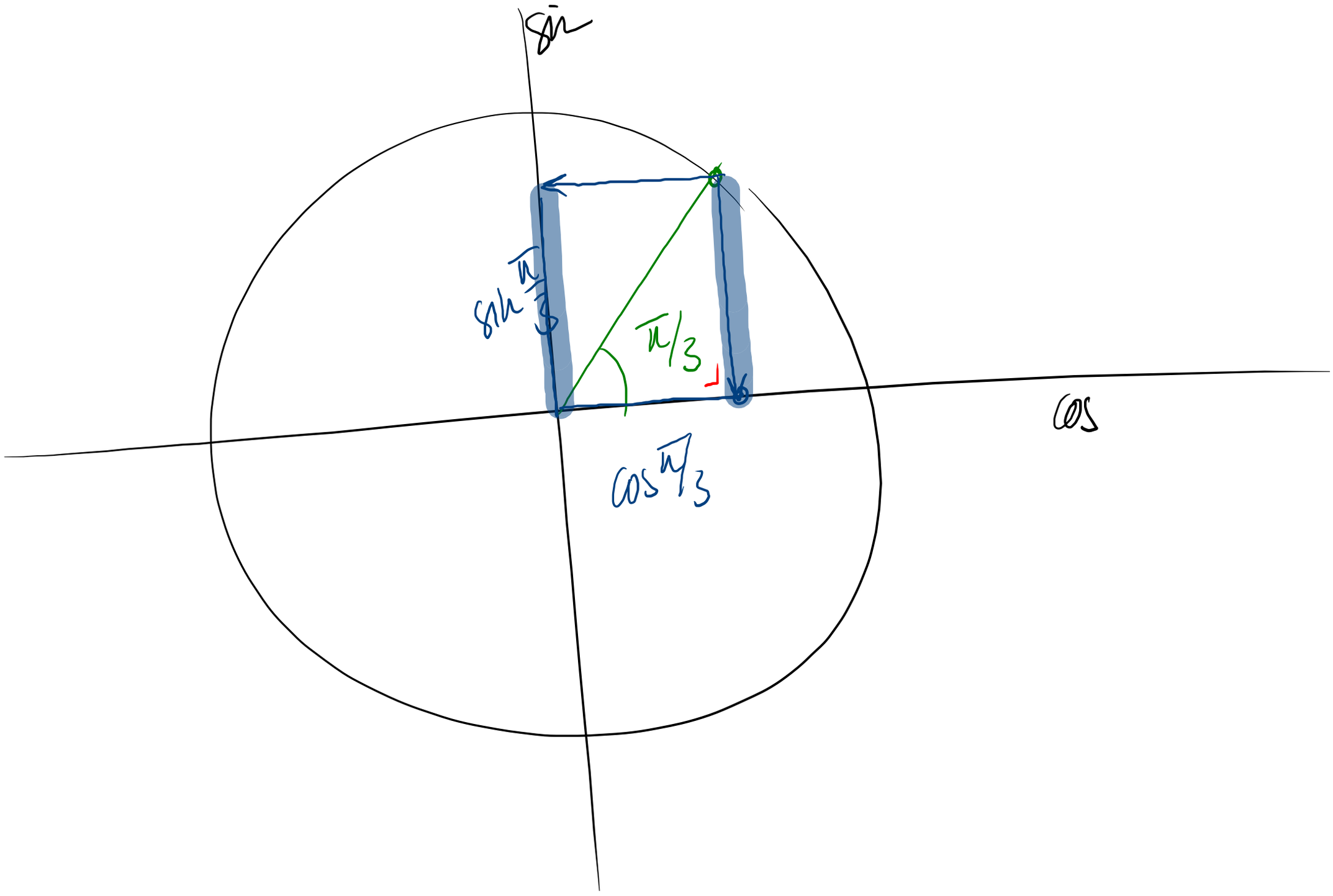


$$\sin\alpha = \frac{0,5}{1} = 0,5$$

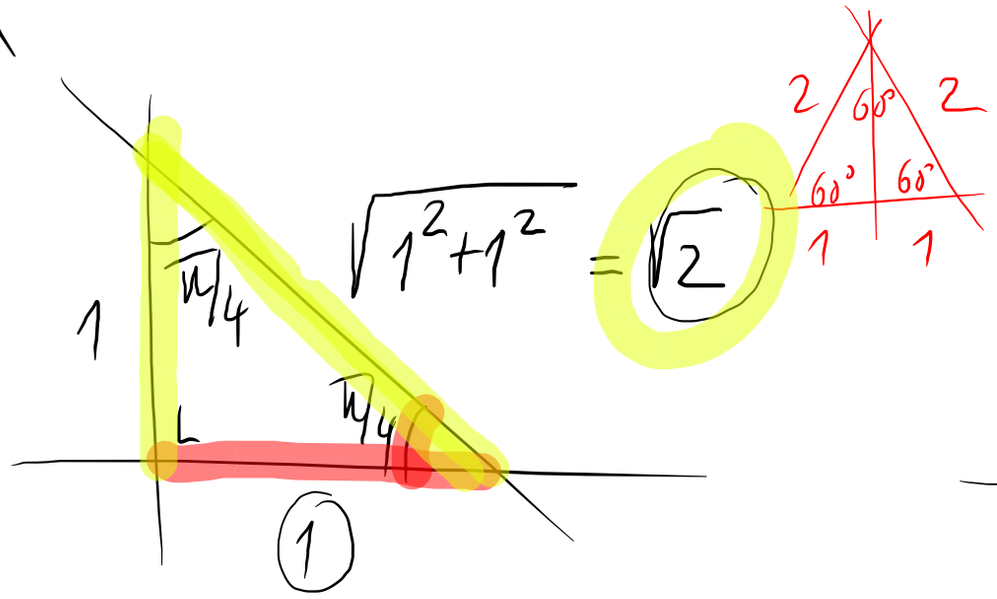
$$\cos\alpha = \frac{0,87}{1} = 0,87$$

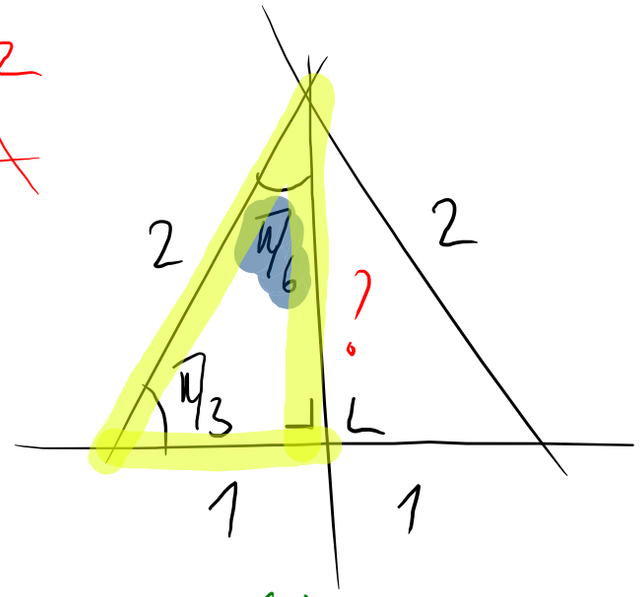
Cercle trigonométrique



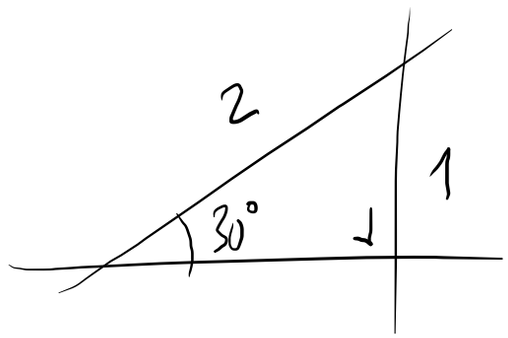

sin
cos
$\sin\frac{\pi}{3}$
$\frac{\pi}{3}$
$\cos\frac{\pi}{3}$

4.3.1





30°, 45°, 60°



45°

$$\cos\frac{\pi}{4} = \frac{1}{\sqrt{2}} = \frac{\sqrt{2}}{2} \simeq 0{,}707$$

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

$$\tan\frac{\pi}{4} =$$

60°

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

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

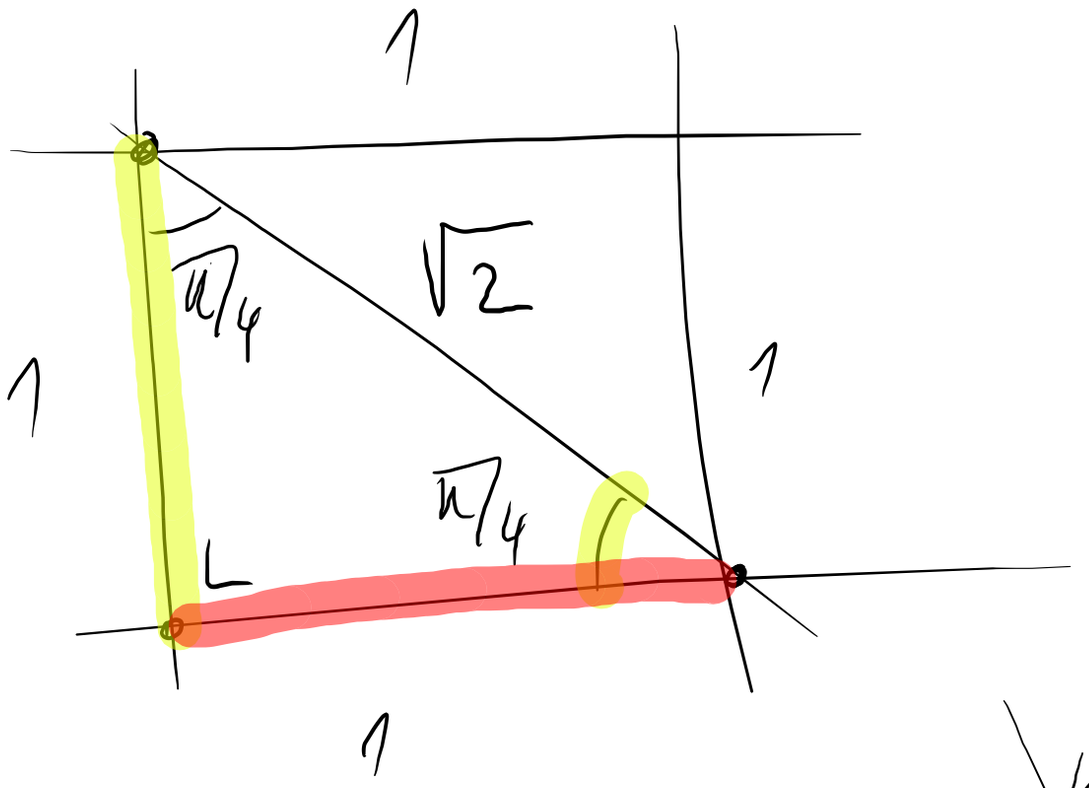
$$\tan\frac{\pi}{3} =$$

30°

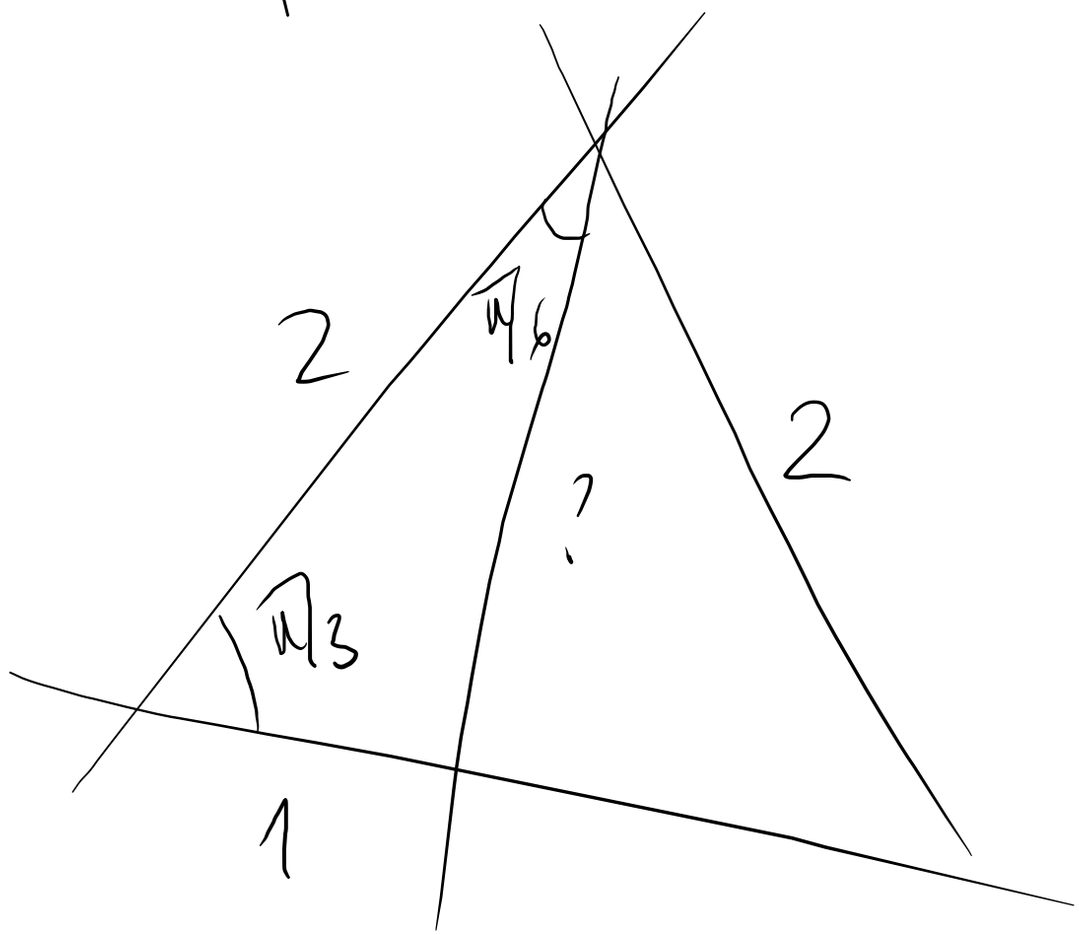
$$\cos\frac{\pi}{6} =$$

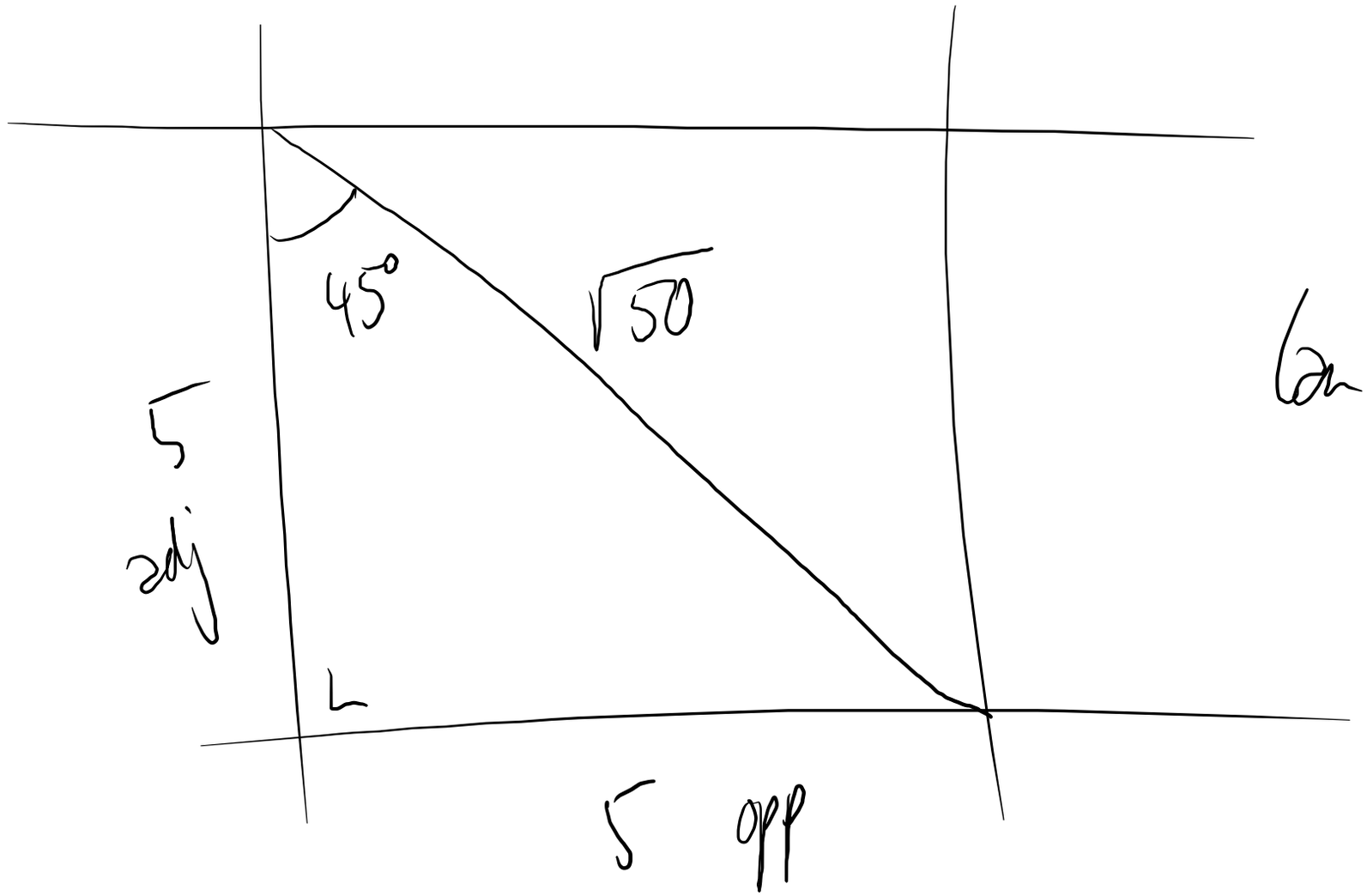
$$\sin\frac{\pi}{6} = \frac{1}{2} = \sin 30°$$

$$\tan\frac{\pi}{6} =$$

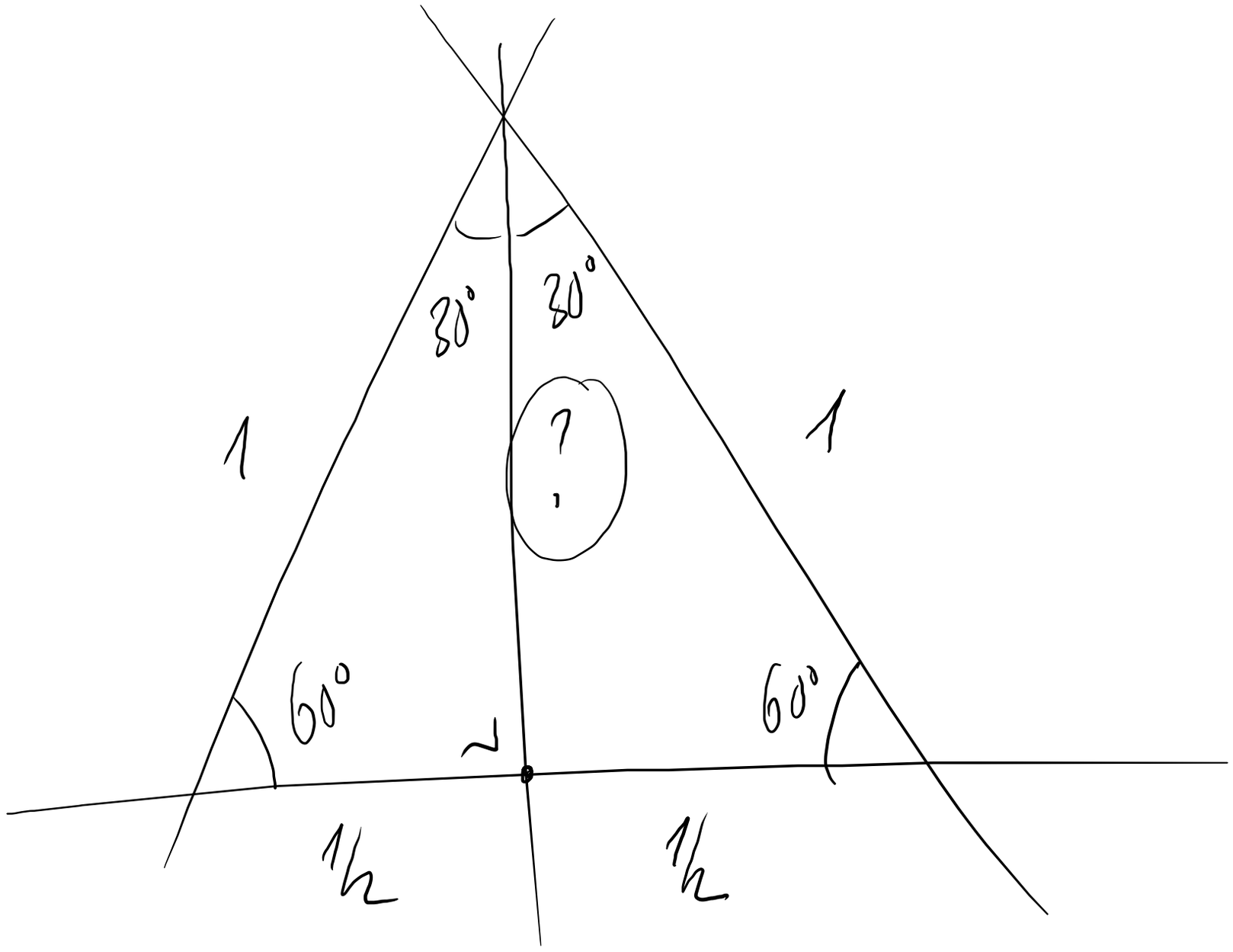


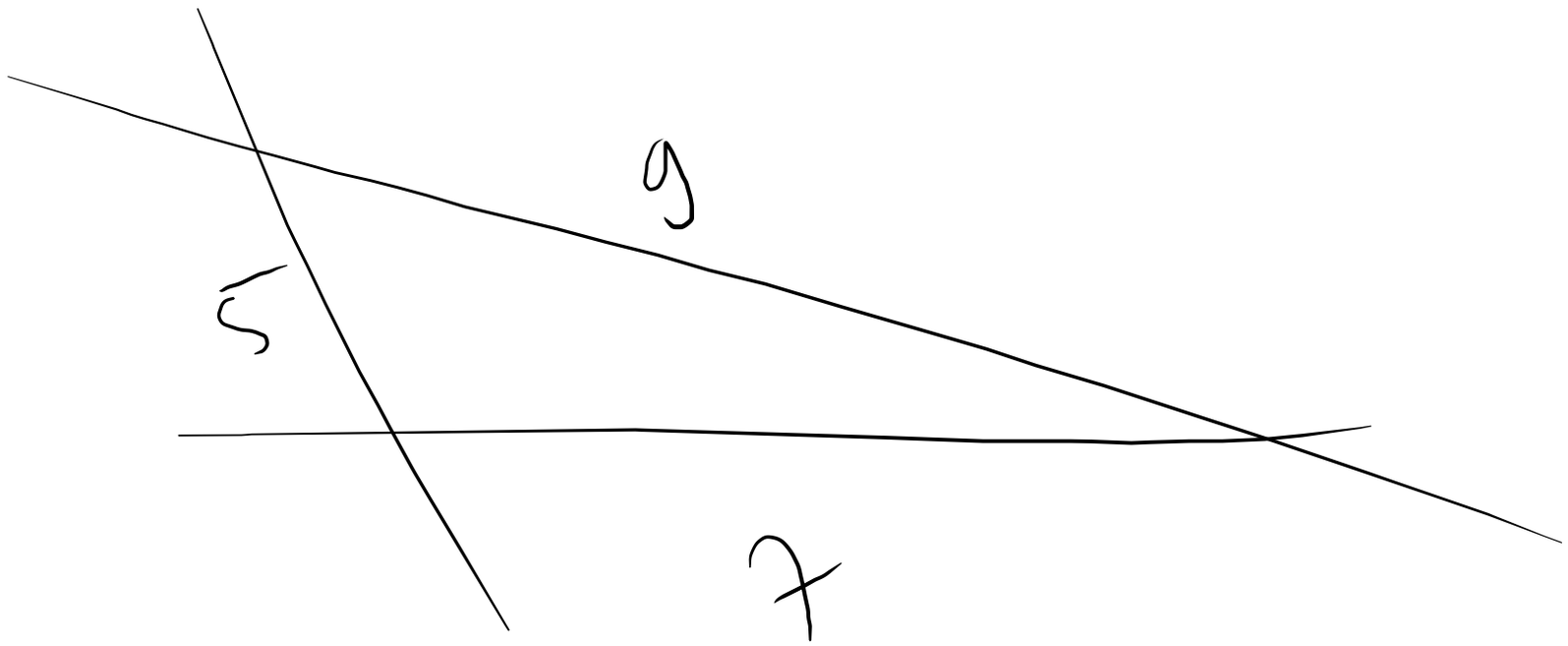
$$\operatorname{tg}\frac{\pi}{4} = \operatorname{tg} 45^\circ = \frac{1}{1} = 1$$

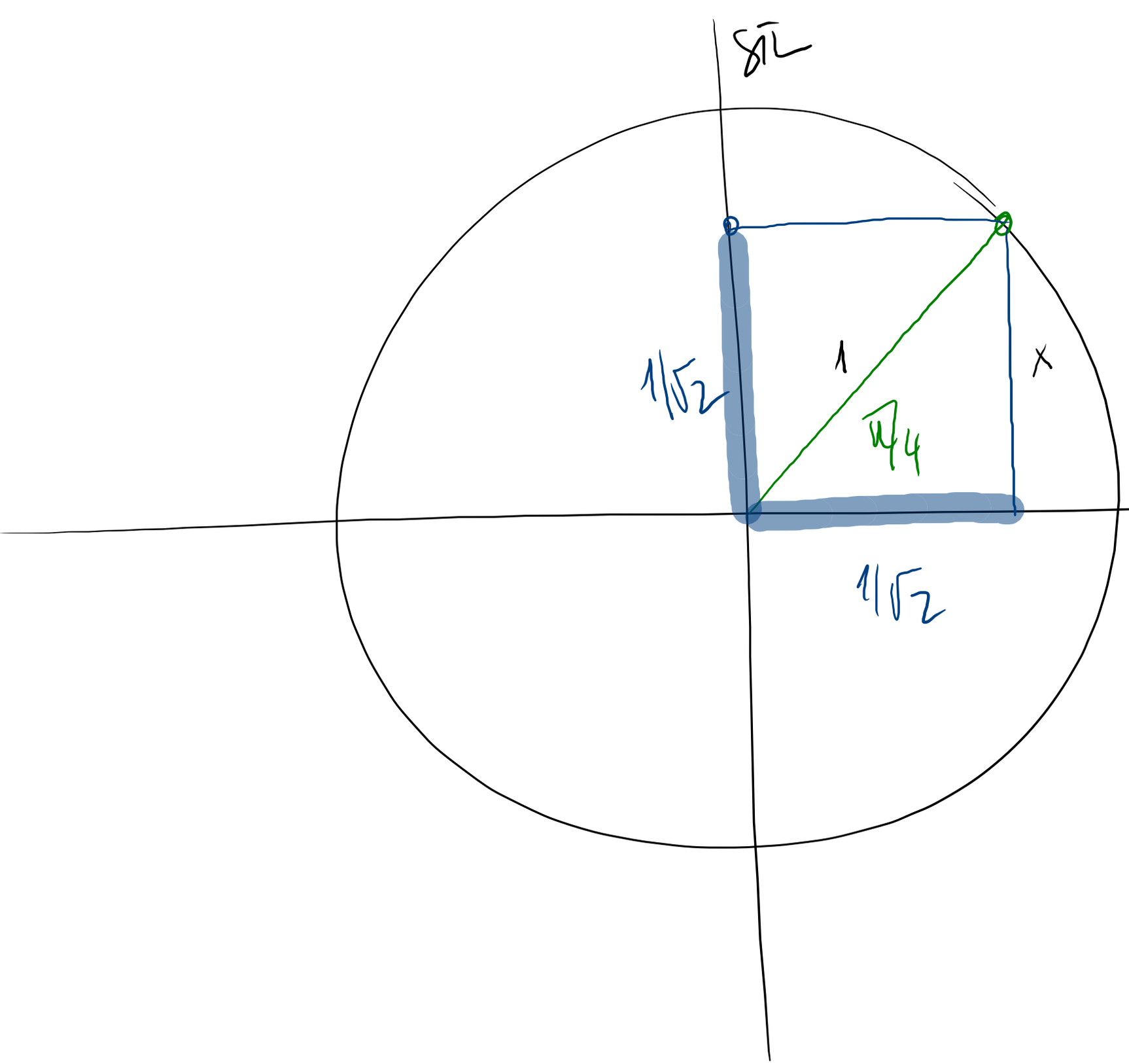




$$\tan 45° = \frac{opp}{adj} = \frac{5}{5}$$


30°
30°
1
1
?
60°
60°
1/2
1/2


9
5
7



$$\sqrt{x^2+x^2} = 1$$

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

$$2x^2 = 1$$

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

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