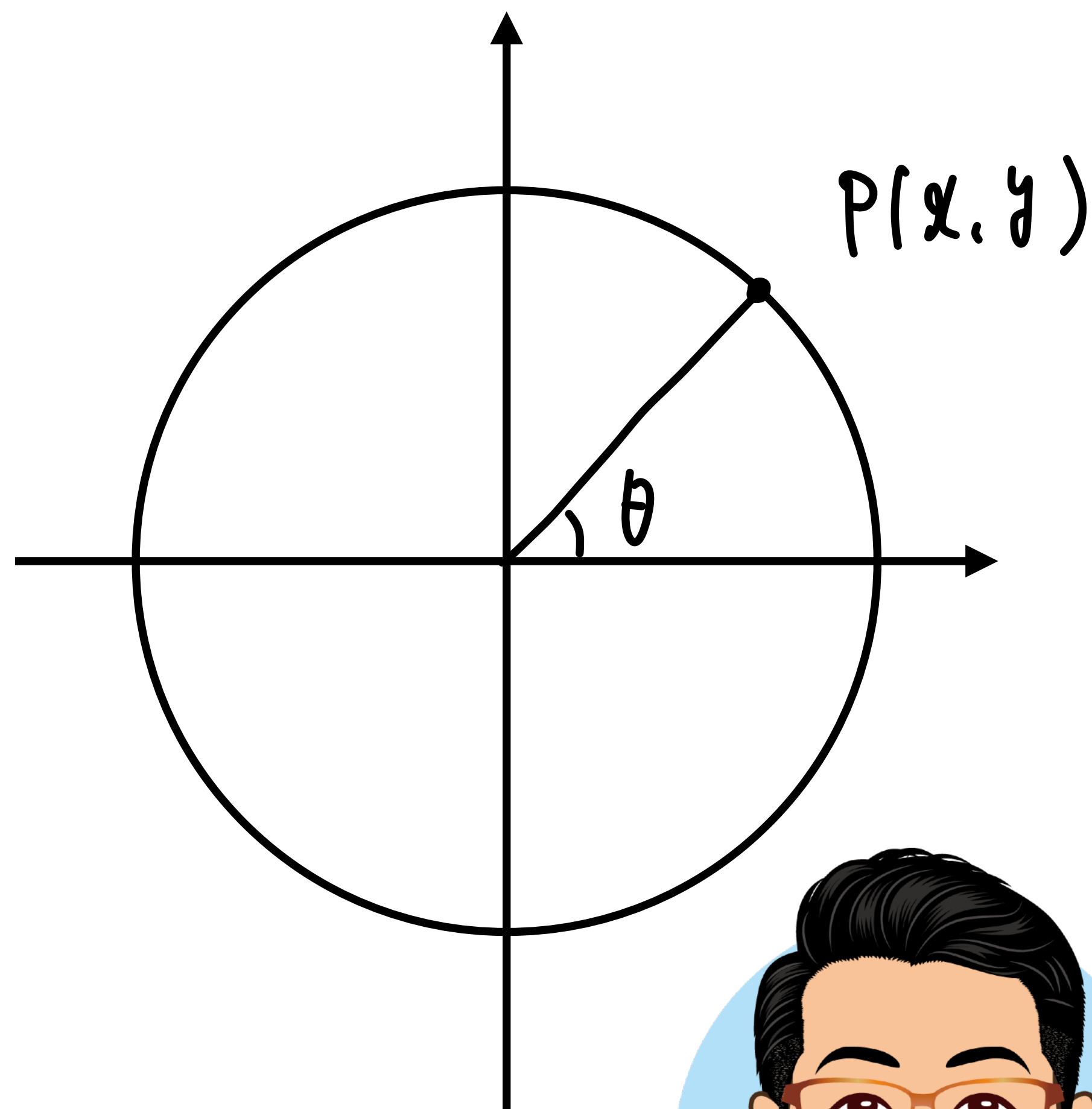




数学I

第4章 図形と計量 単位円と方程式





$$\sin \theta = y$$

$$\cos \theta = x$$

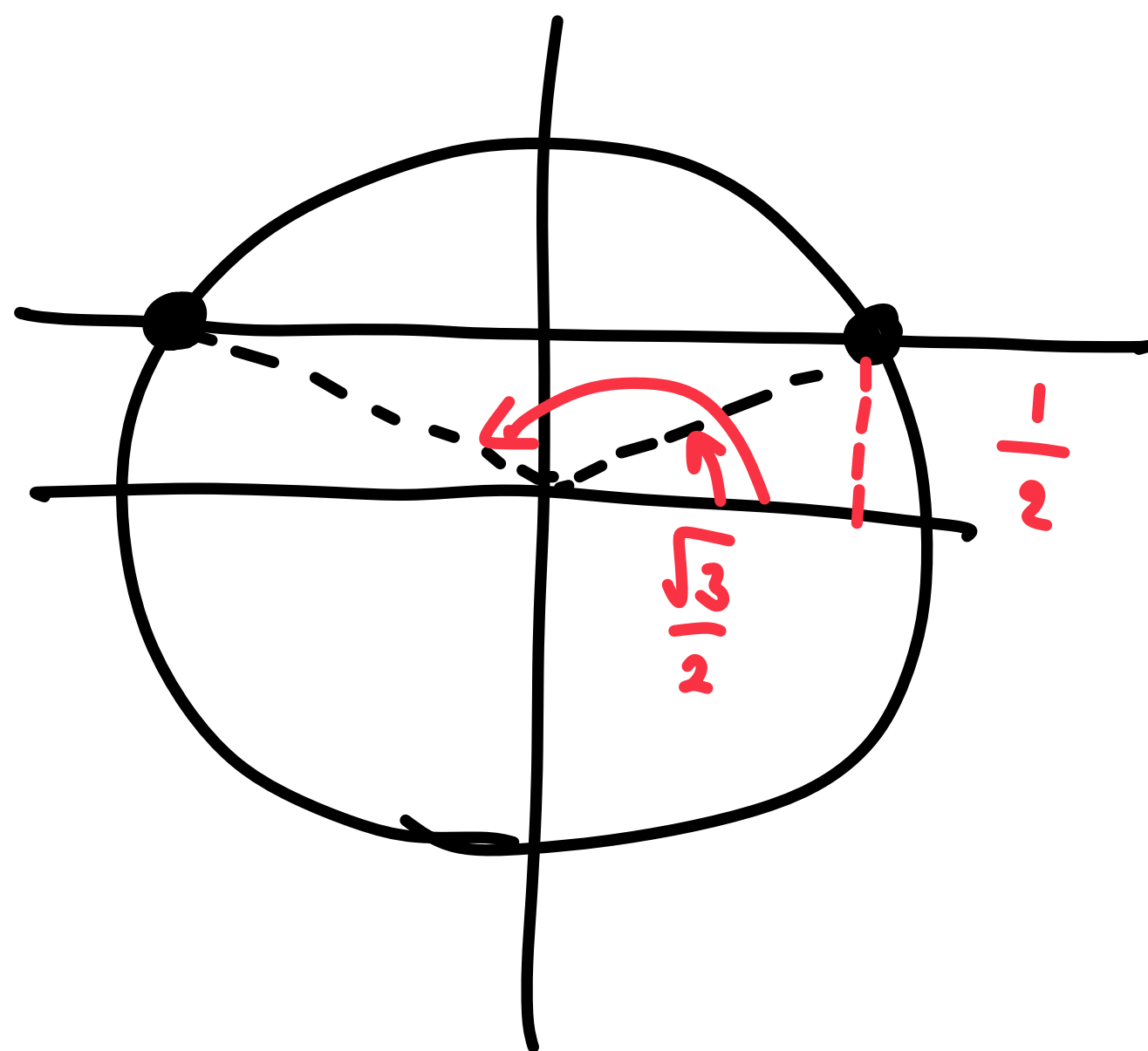
$$\tan \theta = \frac{y}{x}$$

y座標に注目!!

x座標に注目!!

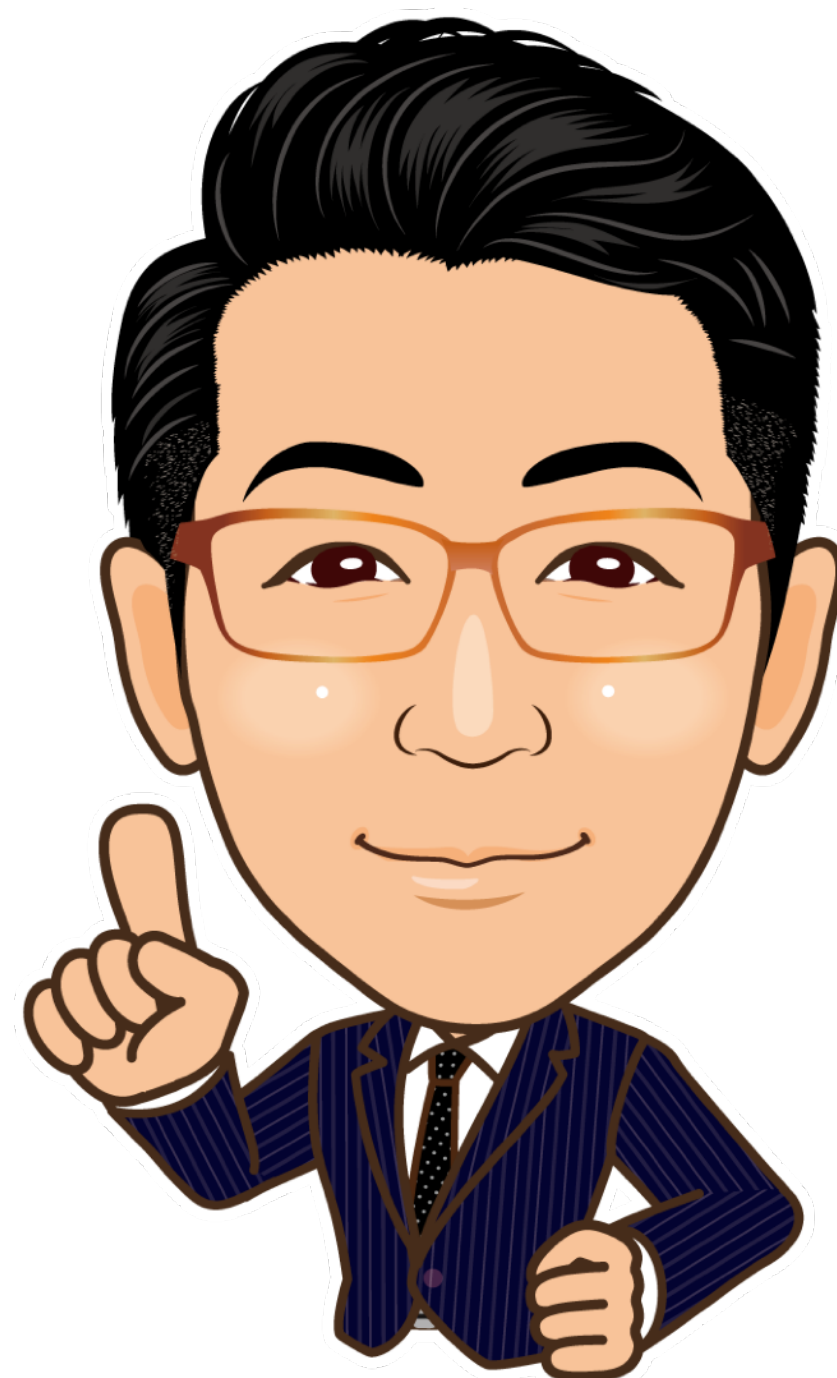
傾に注目!!

$$(1) \quad \sin \theta = \frac{1}{2}$$



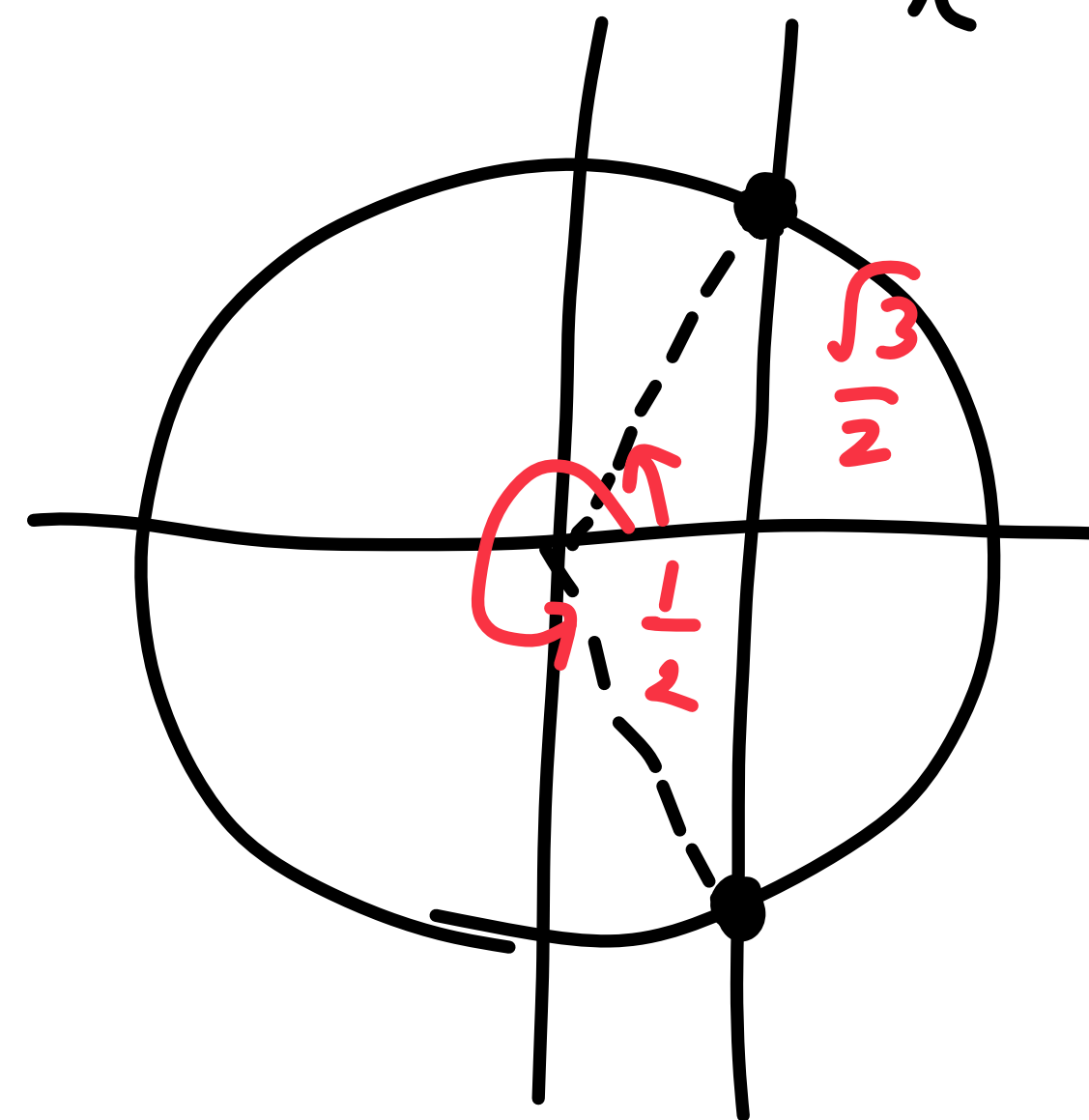
$$y = \frac{1}{2}$$

$$\theta = 30^\circ, 150^\circ$$



(2)

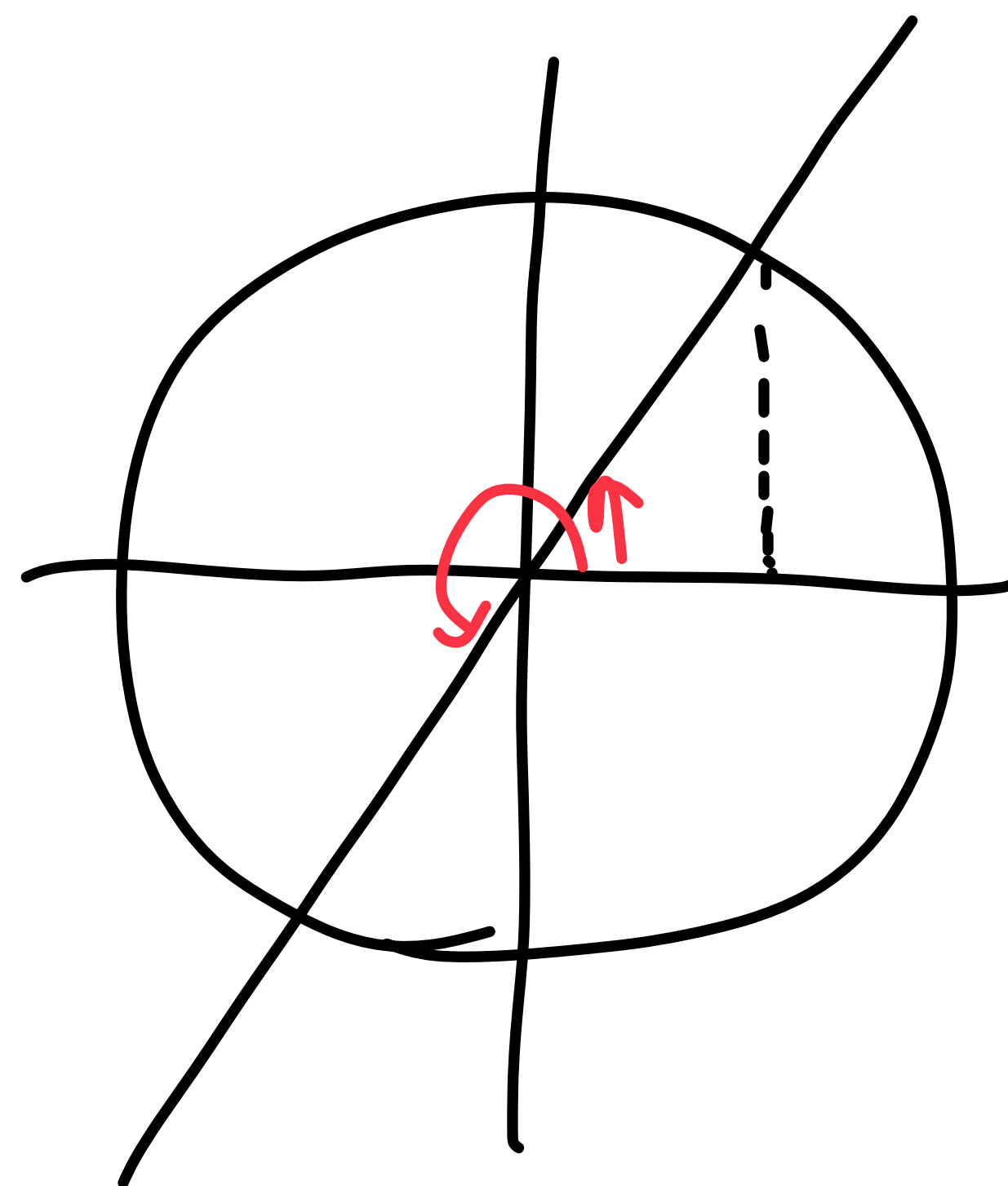
$$\cos \theta = \frac{1}{2}$$



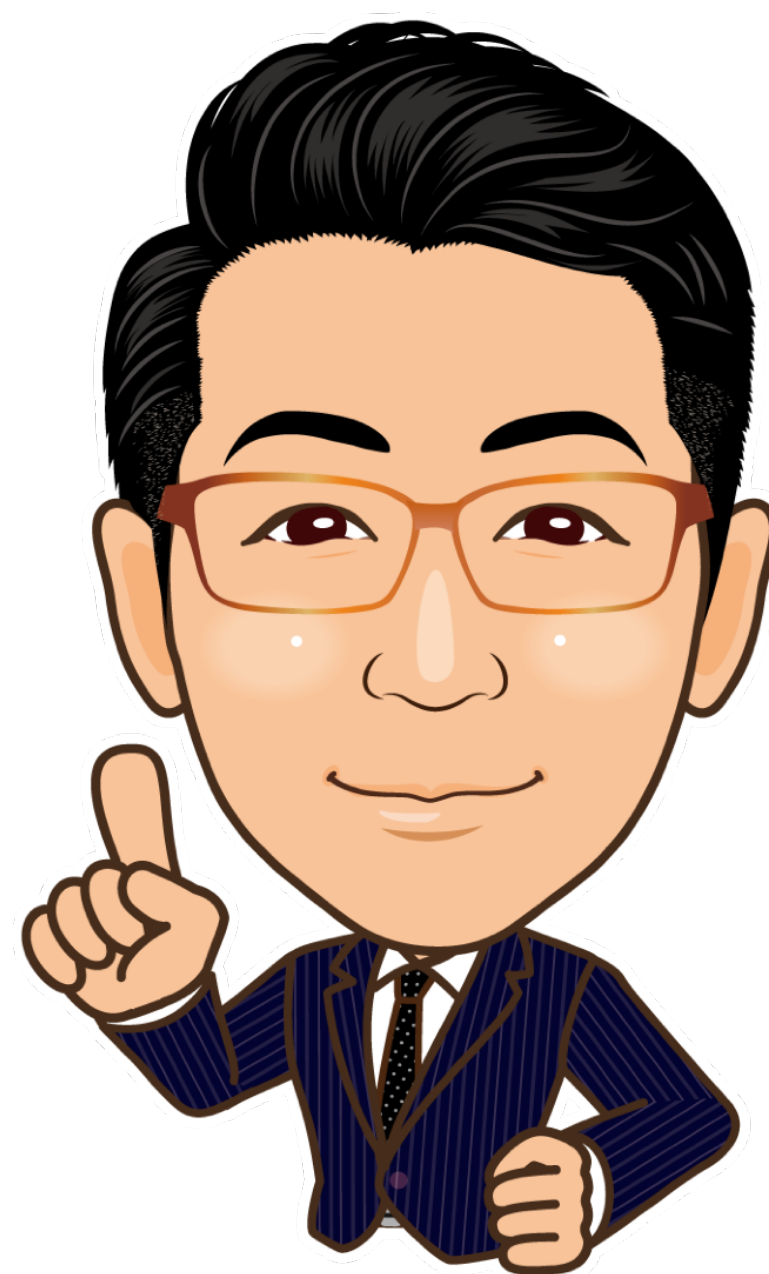
$$\theta = 60^\circ, 300^\circ$$

(3) $\tan \theta = \sqrt{3}$

傾 $\sqrt{3}$



$\theta = 60^\circ, 240^\circ$



$\sin \theta \Rightarrow$ y座標 に注目!!

$\cos \theta \Rightarrow$ x座標 に注目!!

$\tan \theta \Rightarrow$ 傾 に注目!!