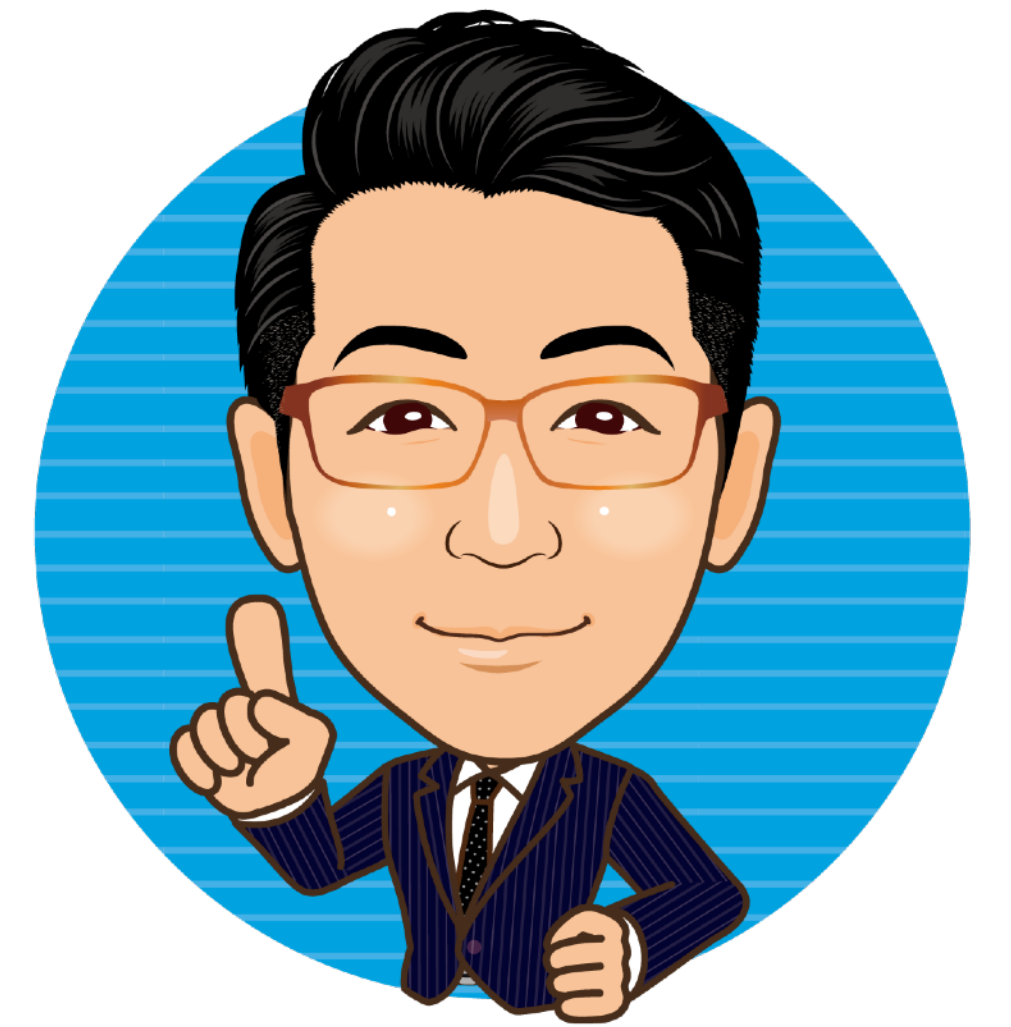


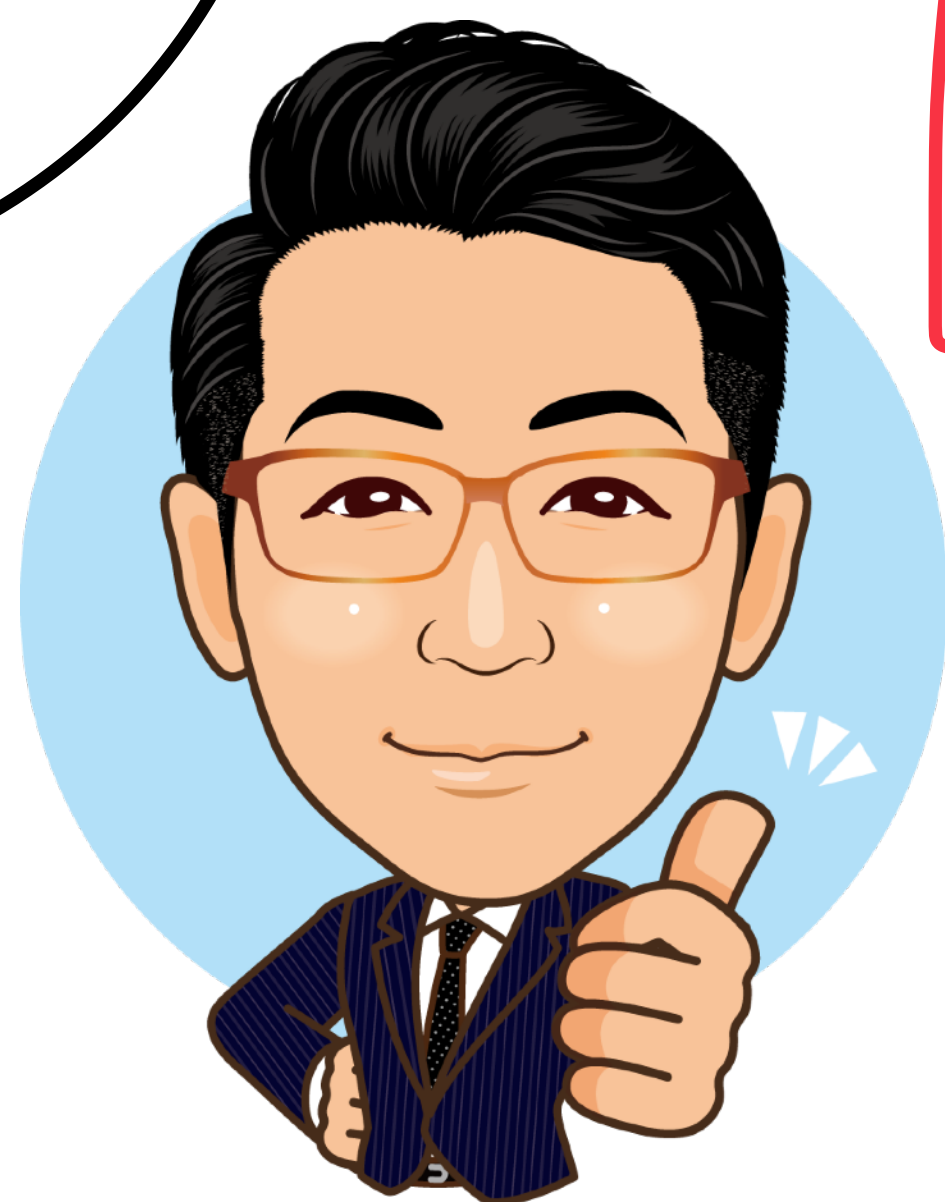
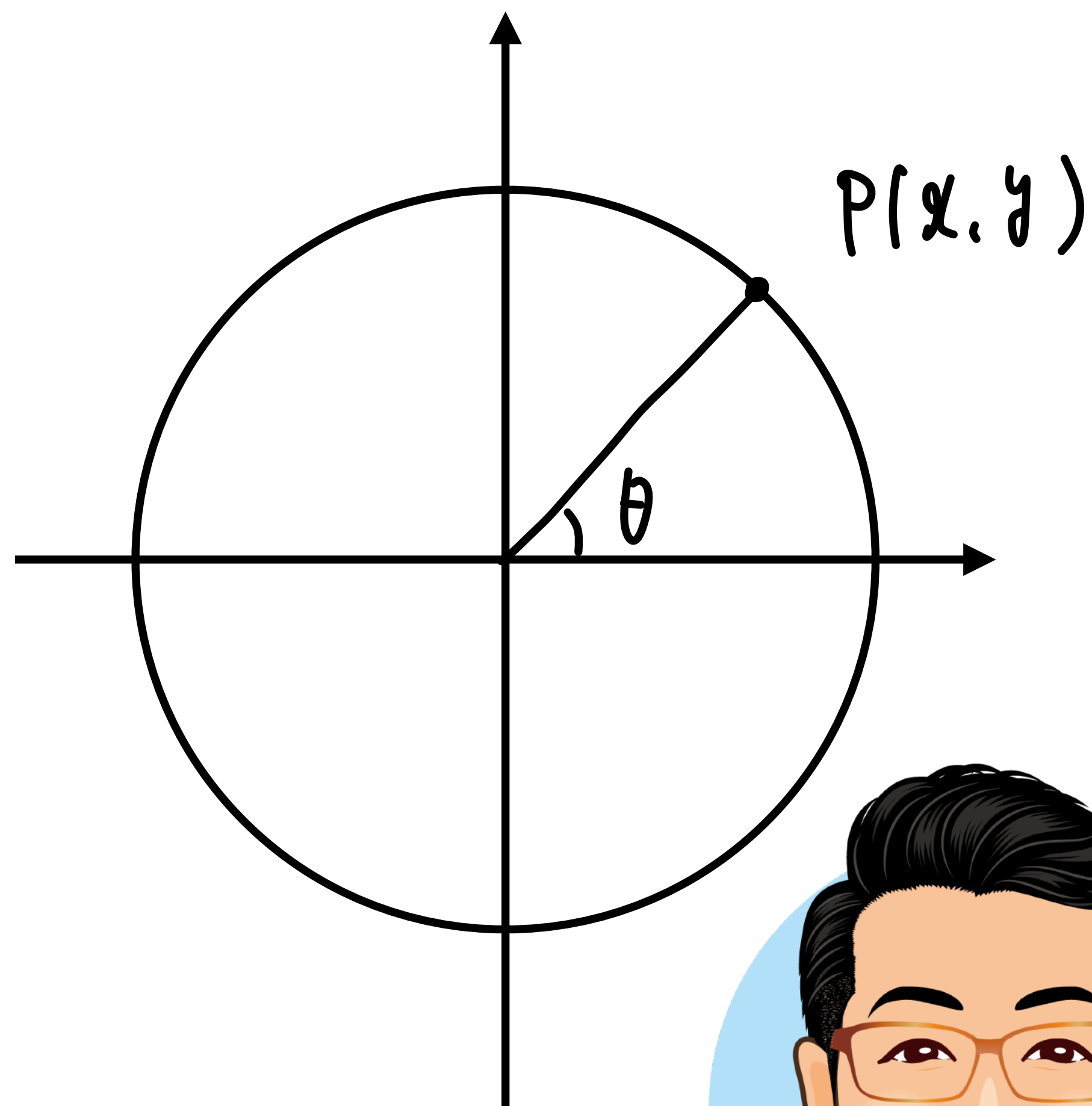


数学I

第4章 図形と計量

単位円と不等式





$$\sin \theta = y$$

$$\cos \theta = x$$

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

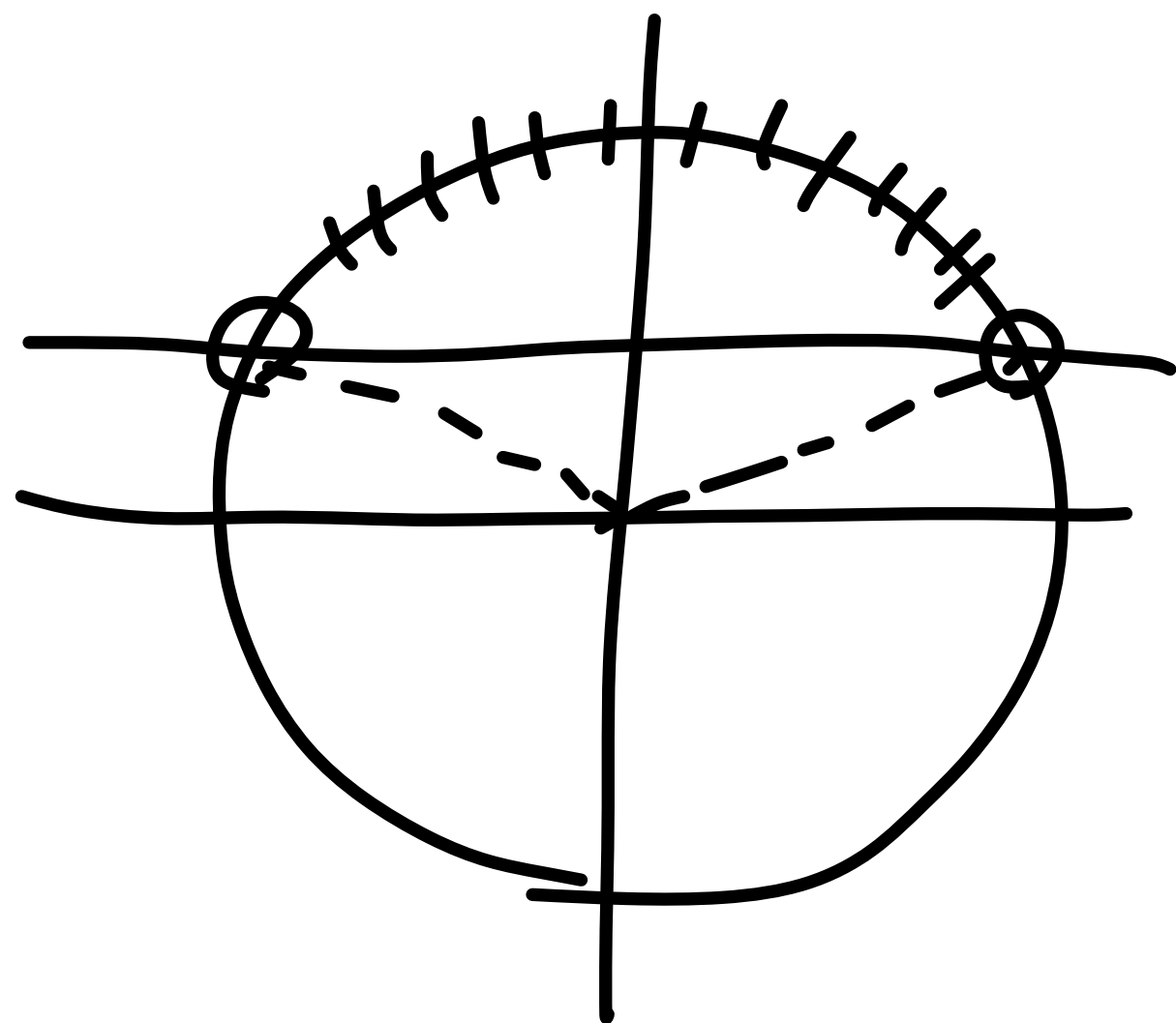
y座標に注目!!

x座標に注目!!

傾に注目!!

$$(1) \quad 0^\circ \leq \theta \leq 180^\circ \text{ and } \bar{\bar{z}}$$

$$\sin \theta > \frac{1}{2}$$



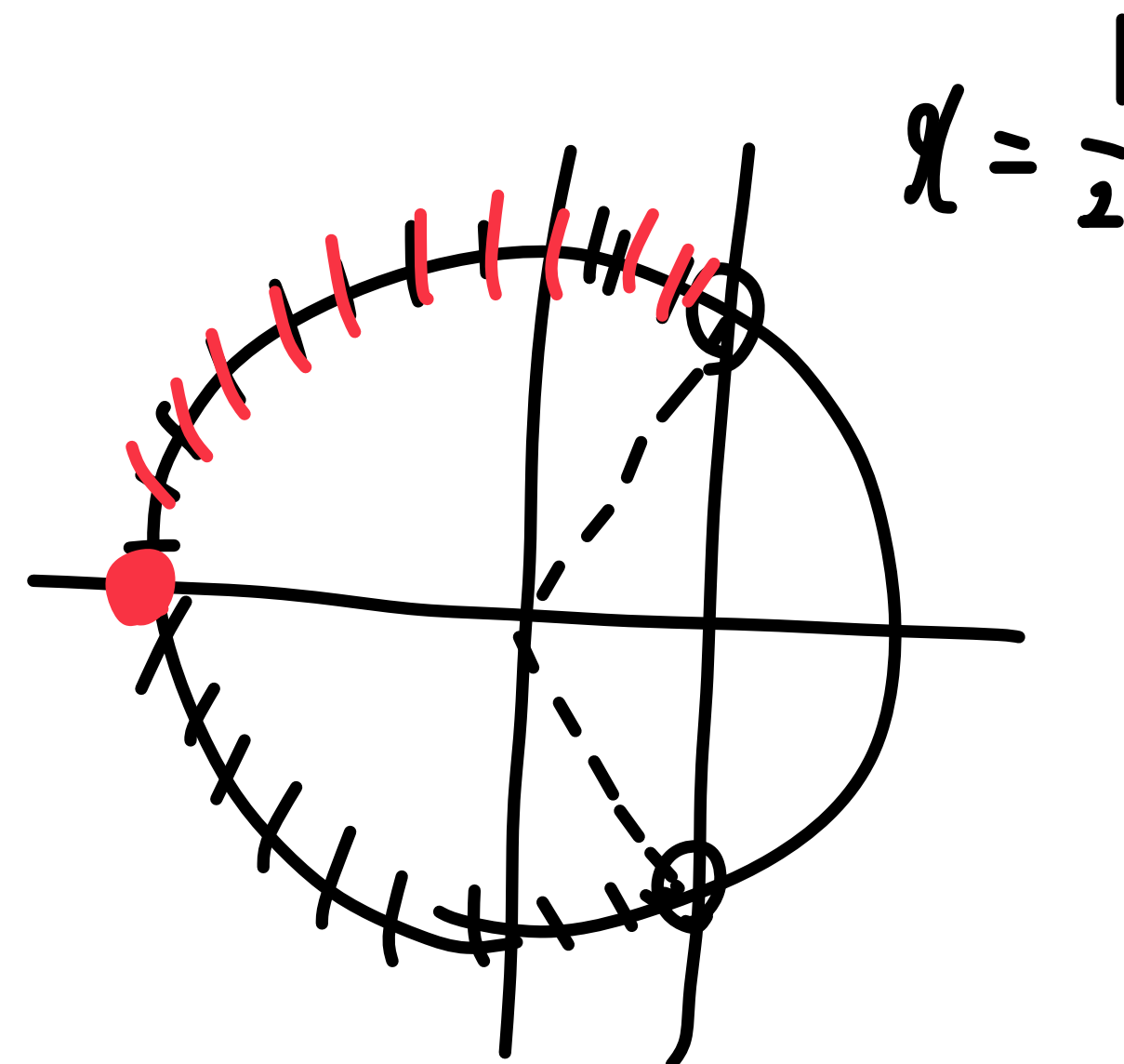
$$y = \frac{1}{2}$$

$$\underline{\underline{30^\circ < \theta < 150^\circ}}$$



$$(2) \quad 0^\circ \leq \theta \leq 180^\circ \text{ and } \bar{\bar{z}}$$

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

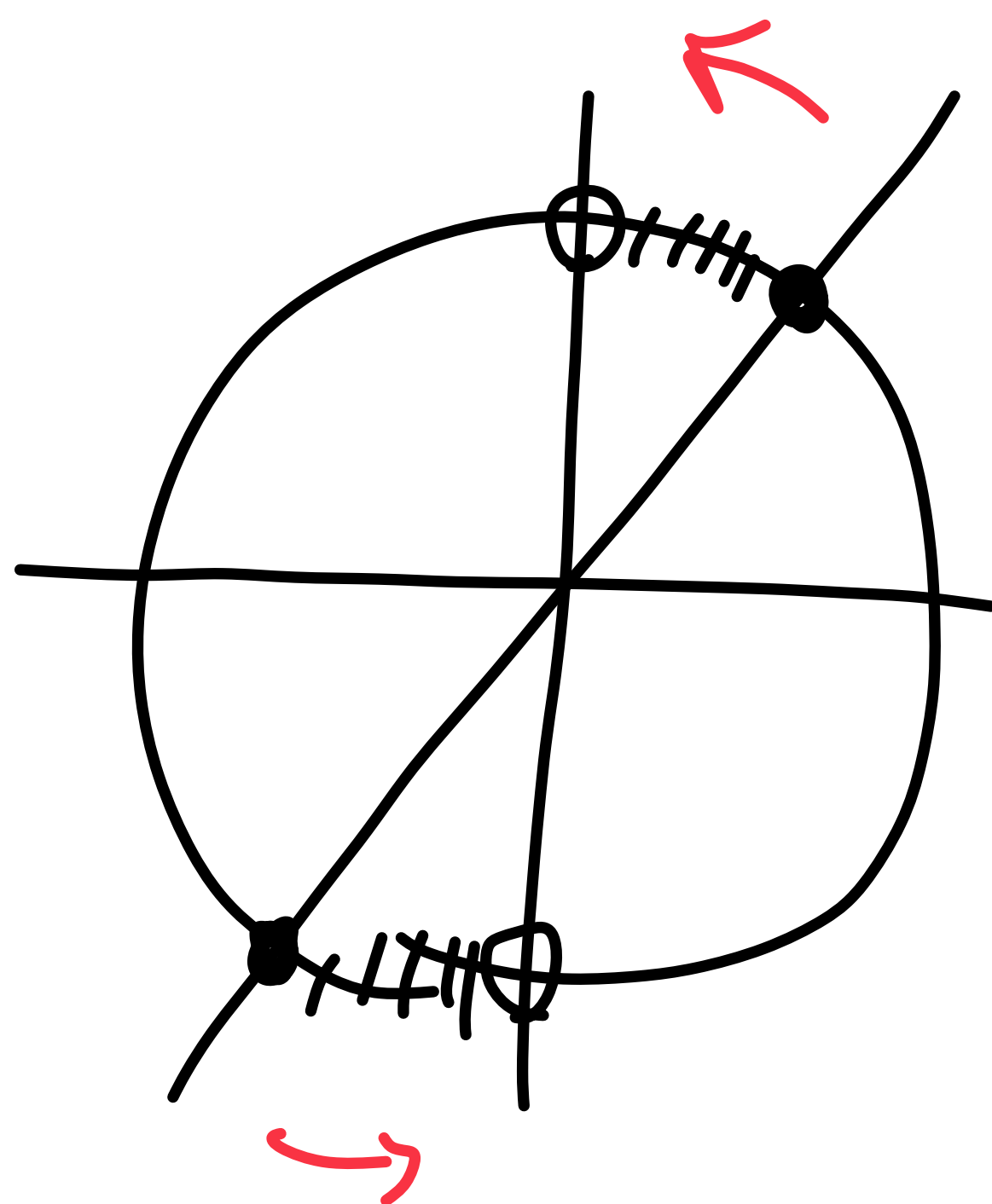


$$x = \frac{1}{2}$$

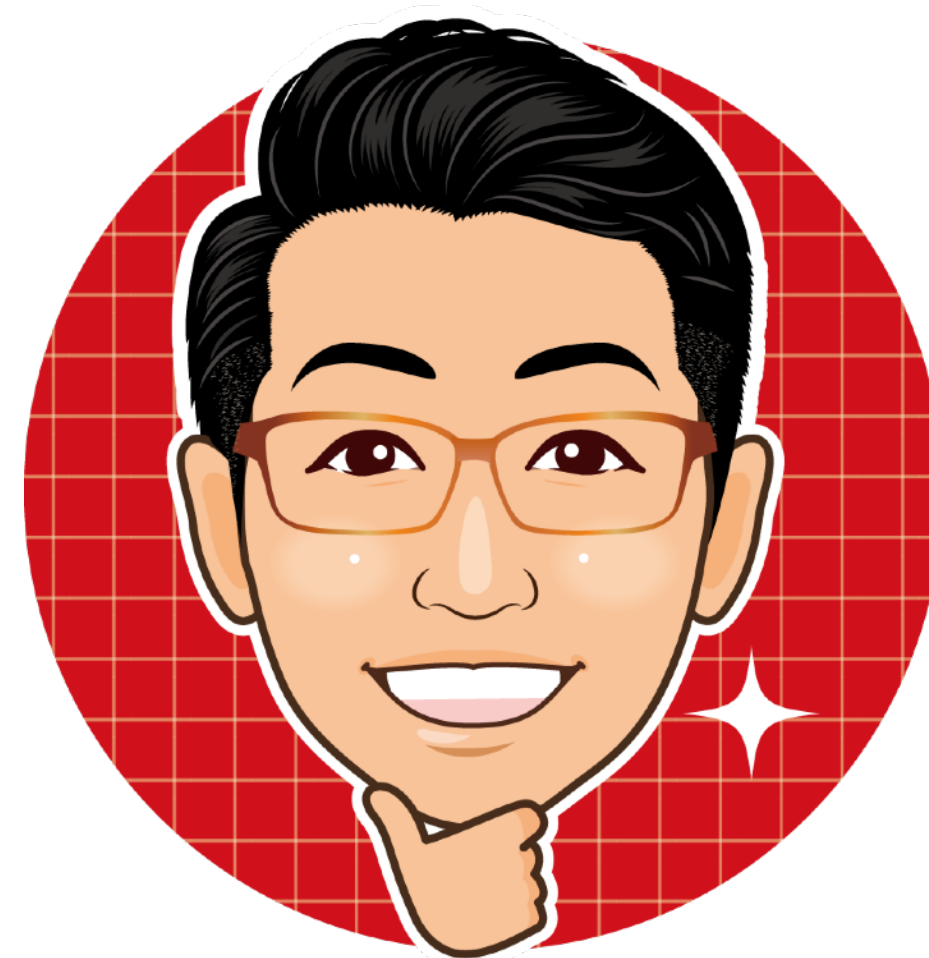
$$\underline{\underline{60^\circ < \theta \leq 120^\circ}}$$

$$(3) \quad 0^\circ \leq \theta \leq 180^\circ \text{ かつ } \tan \theta \geq \sqrt{3}$$

$$\tan \theta \geq \sqrt{3}$$



傾 $\geq \sqrt{3}$



90° 以下.

定義上ではない!!

$$\underline{\underline{60^\circ \leq \theta < 90^\circ}}$$