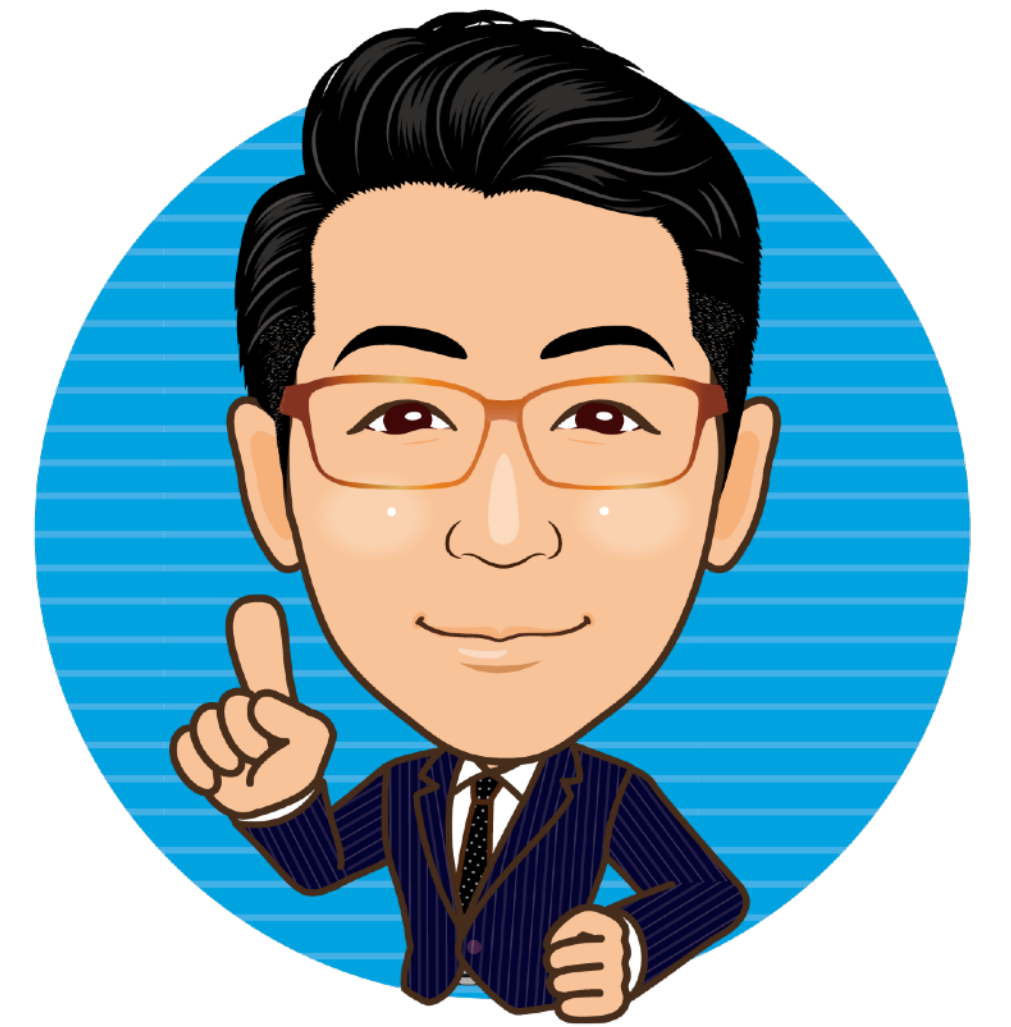




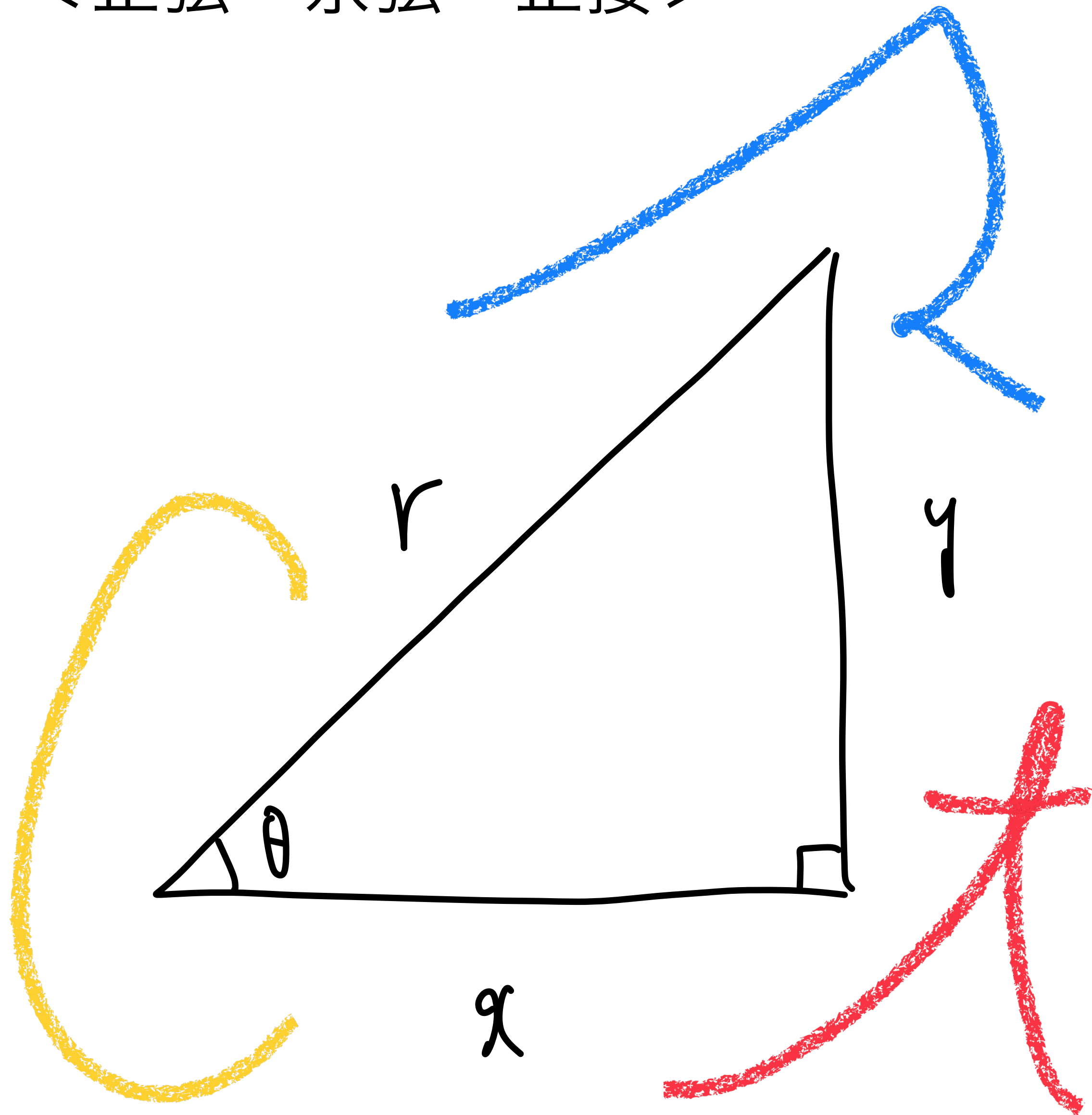
数学I

第4章 図形と計量

三角比の導入



< 正弦 · 余弦 · 正接 >



< 三角比 >

正弦(sine)

$$\sin \theta = \frac{y}{r}$$

余弦(cosine)

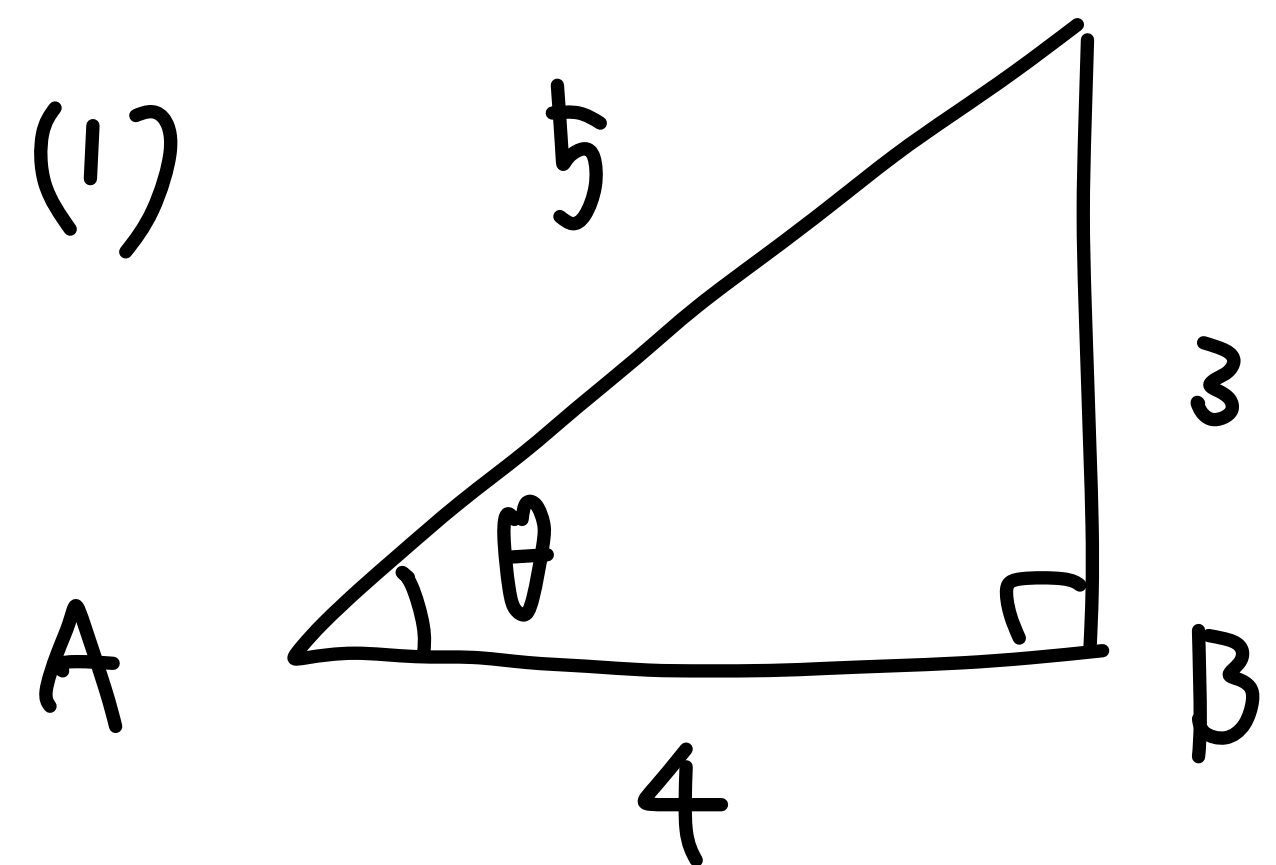
$$\cos \theta = \frac{x}{r}$$

正接(tangent)

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

(1x)

(1)



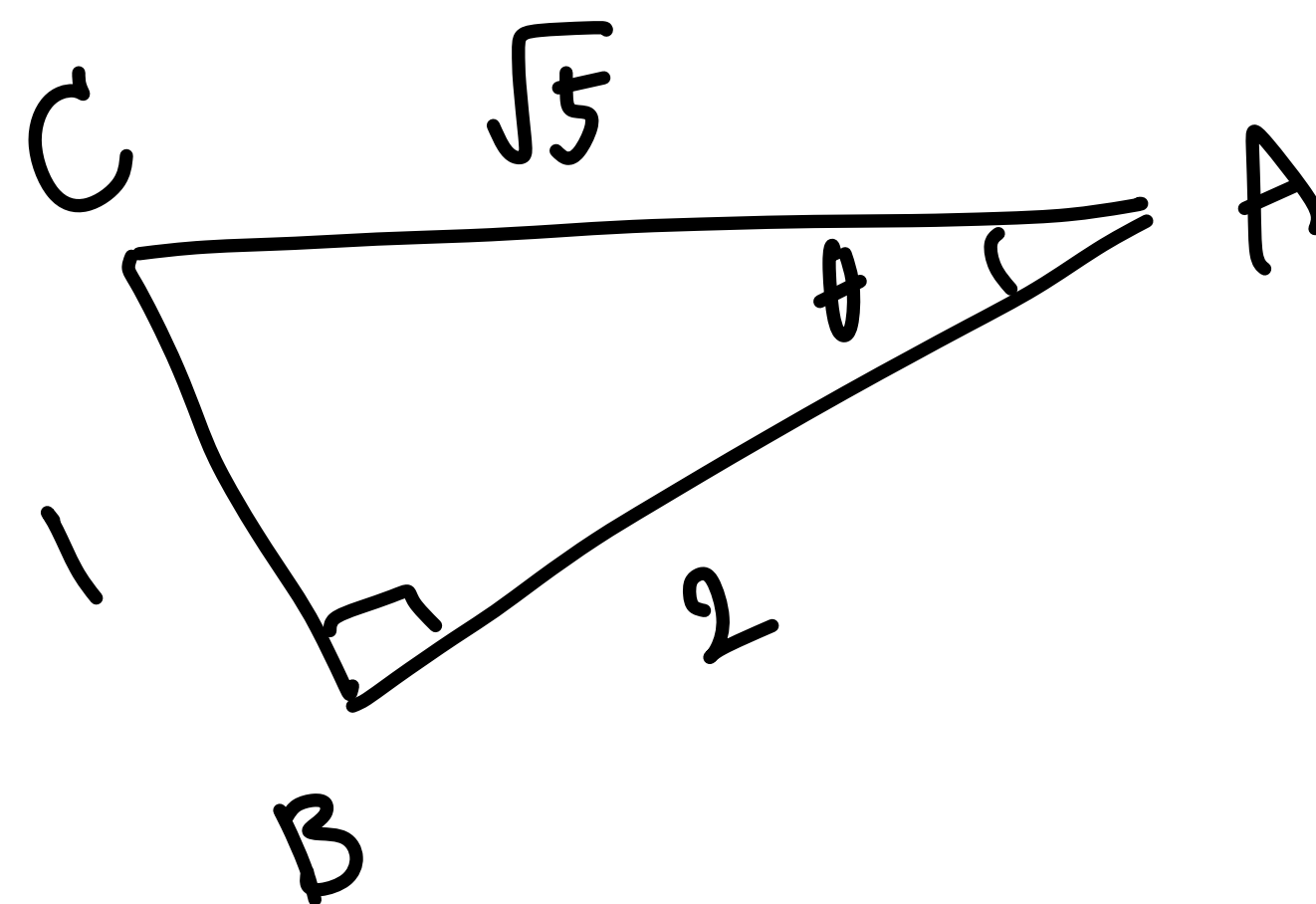
$$\sin \theta = \frac{3}{5}$$

$$\cos \theta = \frac{4}{5}$$

$$\tan \theta = \frac{3}{4}$$



(2)



$$\sin \theta = \frac{1}{\sqrt{5}}$$

$$\cos \theta = \frac{2}{\sqrt{5}}$$

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

有理化
174227J~!!