

三角比

三角比(1) <<例題>>

$$[1] \quad (1) \sin \theta = \frac{5}{7}, \cos \theta = \frac{2\sqrt{6}}{7}, \tan \theta = \frac{5}{2\sqrt{6}}$$

$$(2) \sin \theta = \frac{2\sqrt{10}}{7}, \cos \theta = \frac{3}{7}, \tan \theta = \frac{2\sqrt{10}}{3}$$

三角比(1) <<練習問題>>

$$[1] \quad (1) \sin \theta = \frac{3}{5}, \cos \theta = \frac{4}{5}, \tan \theta = \frac{3}{4}$$

$$(2) \sin \theta = \frac{3}{4}, \cos \theta = \frac{\sqrt{7}}{4}, \tan \theta = \frac{3}{\sqrt{7}}$$

$$[2] \quad x = \frac{3}{2}, y = \frac{3\sqrt{3}}{2}$$

三角比(2) <<例題>>

$$[1] \quad \sin 30^\circ = \frac{1}{2}, \cos 30^\circ = \frac{\sqrt{3}}{2}, \tan 30^\circ = \frac{1}{\sqrt{3}}$$

三角比(2) <<練習問題>>

$$[1] \quad \sin 45^\circ = \frac{1}{\sqrt{2}}, \cos 45^\circ = \frac{1}{\sqrt{2}}, \tan 45^\circ = 1$$

$$\sin 60^\circ = \frac{\sqrt{3}}{2}, \cos 60^\circ = \frac{1}{2}, \tan 60^\circ = \sqrt{3}$$

三角比(3) <<例題>>

$$[1] \quad (1) \sin 120^\circ = \frac{\sqrt{3}}{2}, \cos 120^\circ = -\frac{1}{2}, \tan 120^\circ = -\sqrt{3}$$

$$(2) \sin 135^\circ = \frac{1}{\sqrt{2}}, \cos 135^\circ = -\frac{1}{\sqrt{2}}, \tan 135^\circ = -1$$

三角比(3) <<練習問題>>

[1]		0°	30°	45°	60°	90°	120°	135°	150°	180°
	$\sin \theta$	0	$\frac{1}{2}$	$\frac{1}{\sqrt{2}}$	$\frac{\sqrt{3}}{2}$	1	$\frac{\sqrt{3}}{2}$	$\frac{1}{\sqrt{2}}$	$\frac{1}{2}$	0
	$\cos \theta$	1	$\frac{\sqrt{3}}{2}$	$\frac{1}{\sqrt{2}}$	$\frac{1}{2}$	0	$-\frac{1}{2}$	$-\frac{1}{\sqrt{2}}$	$-\frac{\sqrt{3}}{2}$	-1
	$\tan \theta$	0	$\frac{1}{\sqrt{3}}$	1	$\sqrt{3}$	/	$-\sqrt{3}$	-1	$-\frac{1}{\sqrt{3}}$	0