三角比の値・方程式

____ 組 ____ 番　氏名 _____

1　次の三角比の値を求めよ。

(1) $\sin 45°$

(2) $\tan 30°$

(3) $\sin 60°$

(4) $\cos 30°$

(5) $\tan 120°$

(6) $\sin 135°$

(7) $\cos 120°$

(8) $\tan 135°$

(9) $\sin 120°$

(10) $\cos 150°$

(11) $\cos 90°$

(12) $\tan 180°$

(13) $\cos 180°$

(14) $\sin 0°$

(15) $\cos 240°$

(16) $\sin 330°$

2　$0 \leqq \theta \leqq 180°$ のとき，次の等式を満たす θ を求めよ。

(1) $\cos \theta = \dfrac{1}{2}$

(2) $\sin \theta = \dfrac{1}{\sqrt{2}}$

(3) $\cos \theta = -\dfrac{\sqrt{3}}{2}$

(4) $\sin \theta = 1$

(5) $\cos \theta = \dfrac{1}{\sqrt{2}}$

(6) $\tan \theta = -1$

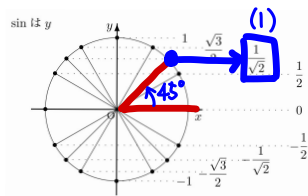(7) $\sin \theta = \dfrac{1}{2}$

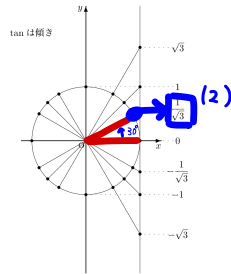(8) $\cos \theta = -1$

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

三角比の値・方程式

1　次の三角比の値を求めよ。

(1)　$\sin 45° = \dfrac{1}{\sqrt{2}}$

(2)　$\tan 30° = \dfrac{1}{\sqrt{3}}$

(3)　$\sin 60° = \dfrac{\sqrt{3}}{2}$

(4)　$\cos 30° = \dfrac{\sqrt{3}}{2}$

(5)　$\tan 120° = -\sqrt{3}$

(6)　$\sin 135° = \dfrac{1}{\sqrt{2}}$

(7)　$\cos 120° = -\dfrac{1}{2}$

(8)　$\tan 135° = -1$

(9)　$\sin 120° = \dfrac{\sqrt{3}}{2}$
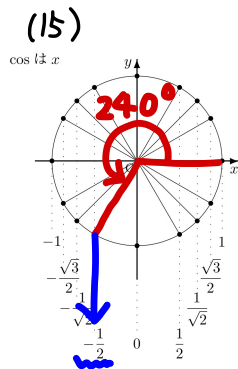
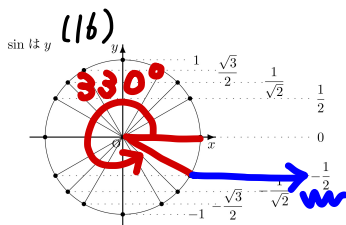(10)　$\cos 150° = -\dfrac{\sqrt{3}}{2}$

(11)　$\cos 90° = 0$

(12)　$\tan 180° = 0$

(13)　$\cos 180° = -1$
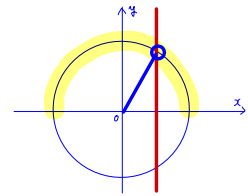
(14)　$\sin 0° = 0$

(15)　$\cos 240° = -\dfrac{1}{2}$

(16)　$\sin 330° = -\dfrac{1}{2}$
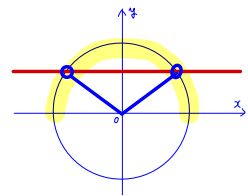
2　$0° \leqq \theta \leqq 180°$ のとき，次の等式を満たす θ を求めよ。

(1)　$\cos\theta = \dfrac{1}{2}$

$\theta = 60°$
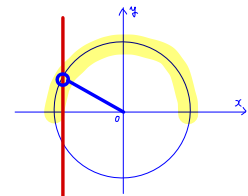
(2)　$\sin\theta = \dfrac{1}{\sqrt{2}}$

$\theta = 45°, 135°$

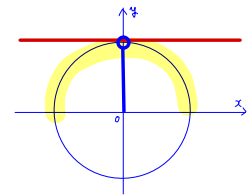(3)　$\cos\theta = -\dfrac{\sqrt{3}}{2}$

$\theta = 150°$
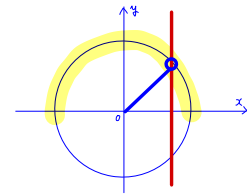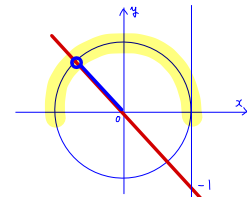
(4)　$\sin\theta = 1$

$\theta = 90°$
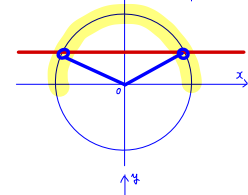
(5)　$\cos\theta = \dfrac{1}{\sqrt{2}}$
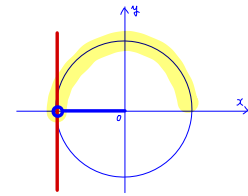
$\theta = 45°$

(6)　$\tan\theta = -1$

$\theta = 135°$

(7)　$\sin\theta = \dfrac{1}{2}$

$\theta = 30°, 150°$

(8)　$\cos\theta = -1$

$\theta = 180°$

(9)　$\tan\theta = \sqrt{3}$

$\theta = 60°$