

三角比 鈍角（16問） 版Iの答え

※ 鈍角では $\cos \theta$ と $\tan \theta$ が負になります。符号を見てください。

$$\begin{aligned}(1) \sin \theta &= 1/4 \text{ (}\theta \text{ は鈍角) のとき、} \\ \cos \theta &= -\sqrt{15}/4\end{aligned}$$

$$\begin{aligned}(2) \tan 120^\circ \\ &= -\sqrt{3}\end{aligned}$$

$$\begin{aligned}(3) \cos 150^\circ \\ &= -\sqrt{3}/2\end{aligned}$$

$$\begin{aligned}(4) \tan 150^\circ \\ &= -\sqrt{3}/3\end{aligned}$$

$$\begin{aligned}(5) \sin \theta &= 5/13 \text{ (}\theta \text{ は鈍角) のとき、} \\ \cos \theta &= -12/13\end{aligned}$$

$$\begin{aligned}(6) \sin \theta &= 3/4 \text{ (}\theta \text{ は鈍角) のとき、} \\ \cos \theta &= -\sqrt{7}/4\end{aligned}$$

$$\begin{aligned}(7) \sin \theta &= 8/17 \text{ (}\theta \text{ は鈍角) のとき、} \\ \cos \theta &= -15/17\end{aligned}$$

$$\begin{aligned}(8) \sin \theta &= 1/4 \text{ (}\theta \text{ は鈍角) のとき、} \\ \tan \theta &= -\sqrt{15}/15\end{aligned}$$

$$\begin{aligned}(9) \sin \theta &= 5/13 \text{ (}\theta \text{ は鈍角) のとき、} \\ \tan \theta &= -5/12\end{aligned}$$

$$\begin{aligned}(10) \sin \theta &= 2/3 \text{ (}\theta \text{ は鈍角) のとき、} \\ \tan \theta &= -2\sqrt{5}/5\end{aligned}$$

$$\begin{aligned}(11) \sin \theta &= 7/25 \text{ (}\theta \text{ は鈍角) のとき、} \\ \cos \theta &= -24/25\end{aligned}$$

$$\begin{aligned}(12) \sin \theta &= 7/25 \text{ (}\theta \text{ は鈍角) のとき、} \\ \tan \theta &= -7/24\end{aligned}$$

$$\begin{aligned}(13) \cos 135^\circ \\ &= -\sqrt{2}/2\end{aligned}$$

$$\begin{aligned}(14) \sin \theta &= 3/5 \text{ (}\theta \text{ は鈍角) のとき、} \\ \cos \theta &= -4/5\end{aligned}$$

$$\begin{aligned}(15) \sin 180^\circ \\ &= 0\end{aligned}$$

$$\begin{aligned}(16) \cos 120^\circ \\ &= -1/2\end{aligned}$$