

三角比 鈍角（16問） 版A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。

$$\begin{aligned} (1) \sin \theta &= 5/13 \text{ (}\theta \text{ は鈍角) のとき、} \\ \cos \theta &= -12/13 \end{aligned}$$

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

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

$$\begin{aligned} (4) \sin \theta &= 8/17 \text{ (}\theta \text{ は鈍角) のとき、} \\ \tan \theta &= -8/15 \end{aligned}$$

$$\begin{aligned} (5) \sin 135^\circ &= \sqrt{2}/2 \end{aligned}$$

$$\begin{aligned} (6) \cos 90^\circ &= 0 \end{aligned}$$

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

$$\begin{aligned} (8) \sin \theta &= 3/5 \text{ (}\theta \text{ は鈍角) のとき、} \\ \cos \theta &= -4/5 \end{aligned}$$

$$\begin{aligned} (9) \sin \theta &= 1/3 \text{ (}\theta \text{ は鈍角) のとき、} \\ \tan \theta &= -\sqrt{2}/4 \end{aligned}$$

$$\begin{aligned} (10) \cos 150^\circ &= -\sqrt{3}/2 \end{aligned}$$

$$\begin{aligned} (11) \sin \theta &= 2/5 \text{ (}\theta \text{ は鈍角) のとき、} \\ \tan \theta &= -2\sqrt{21}/21 \end{aligned}$$

$$\begin{aligned} (12) \cos 180^\circ &= -1 \end{aligned}$$

$$\begin{aligned} (13) \sin 180^\circ &= 0 \end{aligned}$$

$$\begin{aligned} (14) \sin \theta &= 5/13 \text{ (}\theta \text{ は鈍角) のとき、} \\ \tan \theta &= -5/12 \end{aligned}$$

$$\begin{aligned} (15) \sin \theta &= 3/4 \text{ (}\theta \text{ は鈍角) のとき、} \\ \cos \theta &= -\sqrt{7}/4 \end{aligned}$$

$$\begin{aligned} (16) \sin \theta &= 1/4 \text{ (}\theta \text{ は鈍角) のとき、} \\ \tan \theta &= -\sqrt{15}/15 \end{aligned}$$