

三角比 相互関係 (16問) 版Dの答え

※ θ が鋭角なので、 $\cos \theta$ も $\tan \theta$ も正の数になります。

$$\begin{aligned}(1) \cos \theta &= 1/4 \text{ (}\theta \text{ は鋭角) のとき、} \\ \tan \theta &= \sqrt{15}\end{aligned}$$

$$\begin{aligned}(2) \cos \theta &= 1/4 \text{ (}\theta \text{ は鋭角) のとき、} \\ \sin \theta &= \sqrt{15}/4\end{aligned}$$

$$\begin{aligned}(3) \cos \theta &= 5/13 \text{ (}\theta \text{ は鋭角) のとき、} \\ \tan \theta &= 12/5\end{aligned}$$

$$\begin{aligned}(4) \sin \theta &= 1/3 \text{ (}\theta \text{ は鋭角) のとき、} \\ \cos \theta &= 2\sqrt{2}/3\end{aligned}$$

$$\begin{aligned}(5) \cos \theta &= 7/25 \text{ (}\theta \text{ は鋭角) のとき、} \\ \tan \theta &= 24/7\end{aligned}$$

$$\begin{aligned}(6) \cos \theta &= 8/17 \text{ (}\theta \text{ は鋭角) のとき、} \\ \sin \theta &= 15/17\end{aligned}$$

$$\begin{aligned}(7) \sin \theta &= 5/13 \text{ (}\theta \text{ は鋭角) のとき、} \\ \tan \theta &= 5/12\end{aligned}$$

$$\begin{aligned}(8) \sin \theta &= 2/5 \text{ (}\theta \text{ は鋭角) のとき、} \\ \cos \theta &= \sqrt{21}/5\end{aligned}$$

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

$$\begin{aligned}(10) \cos \theta &= 2/5 \text{ (}\theta \text{ は鋭角) のとき、} \\ \tan \theta &= \sqrt{21}/2\end{aligned}$$

$$\begin{aligned}(11) \cos \theta &= 1/3 \text{ (}\theta \text{ は鋭角) のとき、} \\ \sin \theta &= 2\sqrt{2}/3\end{aligned}$$

$$\begin{aligned}(12) \sin \theta &= 3/5 \text{ (}\theta \text{ は鋭角) のとき、} \\ \tan \theta &= 3/4\end{aligned}$$

$$\begin{aligned}(13) \sin \theta &= 7/25 \text{ (}\theta \text{ は鋭角) のとき、} \\ \cos \theta &= 24/25\end{aligned}$$

$$\begin{aligned}(14) \sin \theta &= 8/17 \text{ (}\theta \text{ は鋭角) のとき、} \\ \tan \theta &= 8/15\end{aligned}$$

$$\begin{aligned}(15) \sin \theta &= 7/25 \text{ (}\theta \text{ は鋭角) のとき、} \\ \tan \theta &= 7/24\end{aligned}$$

$$\begin{aligned}(16) \cos \theta &= 7/25 \text{ (}\theta \text{ は鋭角) のとき、} \\ \sin \theta &= 24/25\end{aligned}$$