

三角比 相互関係 (16問) 版Eの答え

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

$$\begin{aligned} (1) \sin \theta &= 2/3 \text{ (}\theta \text{ は鋭角) のとき、} \\ \cos \theta &= \sqrt{5}/3 \end{aligned}$$

$$\begin{aligned} (2) \cos \theta &= 3/5 \text{ (}\theta \text{ は鋭角) のとき、} \\ \sin \theta &= 4/5 \end{aligned}$$

$$\begin{aligned} (3) \cos \theta &= 2/5 \text{ (}\theta \text{ は鋭角) のとき、} \\ \sin \theta &= \sqrt{21}/5 \end{aligned}$$

$$\begin{aligned} (4) \sin \theta &= 8/17 \text{ (}\theta \text{ は鋭角) のとき、} \\ \cos \theta &= 15/17 \end{aligned}$$

$$\begin{aligned} (5) \cos \theta &= 8/17 \text{ (}\theta \text{ は鋭角) のとき、} \\ \tan \theta &= 15/8 \end{aligned}$$

$$\begin{aligned} (6) \sin \theta &= 1/4 \text{ (}\theta \text{ は鋭角) のとき、} \\ \cos \theta &= \sqrt{15}/4 \end{aligned}$$

$$\begin{aligned} (7) \cos \theta &= 2/5 \text{ (}\theta \text{ は鋭角) のとき、} \\ \tan \theta &= \sqrt{21}/2 \end{aligned}$$

$$\begin{aligned} (8) \cos \theta &= 7/25 \text{ (}\theta \text{ は鋭角) のとき、} \\ \tan \theta &= 24/7 \end{aligned}$$

$$\begin{aligned} (9) \sin \theta &= 8/17 \text{ (}\theta \text{ は鋭角) のとき、} \\ \tan \theta &= 8/15 \end{aligned}$$

$$\begin{aligned} (10) \sin \theta &= 3/5 \text{ (}\theta \text{ は鋭角) のとき、} \\ \cos \theta &= 4/5 \end{aligned}$$

$$\begin{aligned} (11) \sin \theta &= 5/13 \text{ (}\theta \text{ は鋭角) のとき、} \\ \cos \theta &= 12/13 \end{aligned}$$

$$\begin{aligned} (12) \sin \theta &= 3/4 \text{ (}\theta \text{ は鋭角) のとき、} \\ \cos \theta &= \sqrt{7}/4 \end{aligned}$$

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

$$\begin{aligned} (14) \sin \theta &= 1/3 \text{ (}\theta \text{ は鋭角) のとき、} \\ \tan \theta &= \sqrt{2}/4 \end{aligned}$$

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

$$\begin{aligned} (16) \sin \theta &= 2/5 \text{ (}\theta \text{ は鋭角) のとき、} \\ \cos \theta &= \sqrt{21}/5 \end{aligned}$$