

Evaluate a trigonometric expression exactly (leave as a fraction).

1. In $\triangle ABC$, $m\angle C = 90^\circ$, $AC = 3$, $BC = 4$, and $AB = 5$. Find $\sin \angle A$.
2. In $\triangle ABC$, $m\angle C = 90^\circ$, $AC = 3$, $BC = 4$, and $AB = 5$. Find $\cos \angle A$.
3. In $\triangle ABC$, $m\angle C = 90^\circ$, $AC = 3$, $BC = 4$, and $AB = 5$. Find $\tan \angle A$.
4. In $\triangle ABC$, $m\angle C = 90^\circ$, $AC = 3$, $BC = 4$, and $AB = 5$. Find $\sin \angle B$.
5. In $\triangle ABC$, $m\angle C = 90^\circ$, $AC = 3$, $BC = 4$, and $AB = 5$. Find $\cos \angle B$.
6. In $\triangle ABC$, $m\angle C = 90^\circ$, $AC = 3$, $BC = 4$, and $AB = 5$. Find $\tan \angle B$.
7. In $\triangle DEF$, $m\angle E = 90^\circ$, $DE = 8$, $FE = 15$, and $DF = 17$. Find $\sin \angle D$.
8. In $\triangle DEF$, $m\angle E = 90^\circ$, $DE = 8$, $FE = 15$, and $DF = 17$. Find $\cos \angle D$.
9. In $\triangle DEF$, $m\angle E = 90^\circ$, $DE = 8$, $FE = 15$, and $DF = 17$. Find $\tan \angle D$.
10. In $\triangle DEF$, $m\angle E = 90^\circ$, $DE = 8$, $FE = 15$, and $DF = 17$. Find $\sin \angle F$.
11. In $\triangle DEF$, $m\angle E = 90^\circ$, $DE = 8$, $FE = 15$, and $DF = 17$. Find $\cos \angle F$.
12. In $\triangle DEF$, $m\angle E = 90^\circ$, $DE = 8$, $FE = 15$, and $DF = 17$. Find $\tan \angle F$.
13. In $\triangle MNO$, $m\angle N = 90^\circ$, $NO = \sqrt{5}$, and $MO = 3$. Find $\sin \angle M$.
14. In $\triangle MNO$, $m\angle N = 90^\circ$, $NO = \sqrt{5}$, and $MO = 3$. Find $\cos \angle M$.
15. In $\triangle MNO$, $m\angle N = 90^\circ$, $NO = \sqrt{5}$, and $MO = 3$. Find $\tan \angle M$.
16. In $\triangle MNO$, $m\angle N = 90^\circ$, $NO = \sqrt{5}$, and $MO = 3$. Find $\sin \angle O$.
17. In $\triangle MNO$, $m\angle N = 90^\circ$, $NO = \sqrt{5}$, and $MO = 3$. Find $\cos \angle O$.
18. In $\triangle MNO$, $m\angle N = 90^\circ$, $NO = \sqrt{5}$, and $MO = 3$. Find $\tan \angle O$.
19. In $\triangle PQR$, $m\angle Q = 90^\circ$, $PQ = 1$, and $QR = 3$. Find $\sin \angle P$.
20. In $\triangle PQR$, $m\angle Q = 90^\circ$, $PQ = 1$, and $QR = 3$. Find $\cos \angle P$.
21. In $\triangle PQR$, $m\angle Q = 90^\circ$, $PQ = 1$, and $QR = 3$. Find $\tan \angle P$.
22. In $\triangle PQR$, $m\angle Q = 90^\circ$, $PQ = 1$, and $QR = 3$. Find $\sin \angle R$.
23. In $\triangle PQR$, $m\angle Q = 90^\circ$, $PQ = 1$, and $QR = 3$. Find $\cos \angle R$.
24. In $\triangle PQR$, $m\angle Q = 90^\circ$, $PQ = 1$, and $QR = 3$. Find $\tan \angle R$.