

TRIGONOMETRY PROBLEMS

1. Given an angle θ , find the values of the trigonometric functions of θ , that is, find $\sin \theta$, $\cos \theta$, $\tan \theta$, $\csc \theta$, $\sec \theta$, $\cot \theta$. (§4.3, §4.5)
2. Given the value of one of the trigonometric functions of θ , find all possible values of θ . (§4.3)
3. Given the value of one of the trigonometric functions of θ , find all other trigonometric values of θ . (§4.5)
4. Graphing the sine, cosine and tangent functions. (§4.4, §4.5)
5. Solving trigonometric equations. (§4.3, §4.5, §4.6)
6. Proving trigonometric identities. (§4.6)
7. Evaluating inverse trigonometric functions. (§4.8)