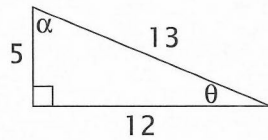


It is very important that you memorize the fractional trig ratios for  $30^\circ$ ,  $45^\circ$ , and  $60^\circ$  since they will be used in future lessons.

### Practice Problems 1

Find the sine, cosine, and tangent of  $\theta$  and  $\alpha$ , and express the ratios in fraction form.



1.  $\sin \theta =$

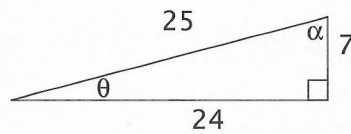
4.  $\sin \alpha =$

2.  $\cos \theta =$

5.  $\cos \alpha =$

3.  $\tan \theta =$

6.  $\tan \alpha =$



7.  $\sin \theta =$

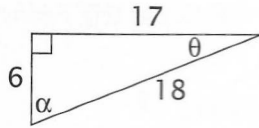
10.  $\sin \alpha =$

8.  $\cos \theta =$

11.  $\cos \alpha =$

9.  $\tan \theta =$

12.  $\tan \alpha =$



13.  $\sin \theta =$

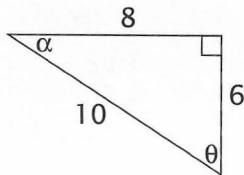
16.  $\sin \alpha =$

14.  $\cos \theta =$

17.  $\cos \alpha =$

15.  $\tan \theta =$

18.  $\tan \alpha =$



19.  $\sin \theta =$

22.  $\sin \alpha =$

20.  $\cos \theta =$

23.  $\cos \alpha =$

21.  $\tan \theta =$

24.  $\tan \alpha =$