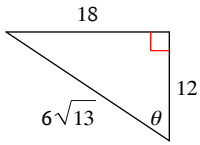


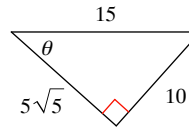
8.4 Trig Identities Day 1

Find the value of the trig function indicated.

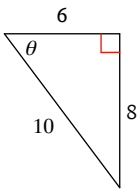
1)  $\sec \theta$



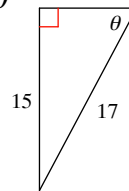
2)  $\csc \theta$



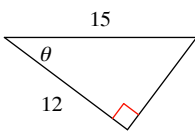
3)  $\cot \theta$



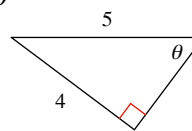
4)  $\csc \theta$



5)  $\cot \theta$



6)  $\sec \theta$



Find the equivalent sine/cosine.

7)  $\cos 13$

8)  $\cos 35$

9)  $\sin 62$

10)  $\sin 85$

Simplify each trigonometric expression.

11)  $\tan \theta \cot \theta$

12)  $\sec \theta \cot \theta$

$$13) \cos \theta \tan \theta$$

$$14) \sin \theta \cot \theta$$

$$15) \sin \theta \csc \theta$$

$$16) \sec \theta \cos \theta \sin \theta$$

$$17) \sin \theta \sec \theta \cot \theta$$

$$18) \frac{\sin \theta}{\cos \theta \tan \theta}$$

$$19) \csc \theta \cos \theta \tan \theta$$

$$20) \cos^2 \theta \sec \theta \csc \theta$$

$$21) \sin^2 \theta \csc \theta \sec \theta$$

$$22) \frac{\cos \theta \csc \theta}{\cot \theta}$$

$$23) \frac{\sin^2 \theta \csc \theta \sec \theta}{\tan \theta}$$