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Algebra II

## *Reciprocal Trig Ratios*

1. If  $\cos \theta = \frac{12}{13}$  and  $\theta$  is in Quadrant I, find:

a)  $\cos \theta$

b)  $\sin \theta$

c)  $\tan \theta$

d)  $\sec \theta$

e)  $\csc \theta$

f)  $\cot \theta$

2. If  $\sin \theta = \frac{3}{5}$  and  $\theta$  is in Quadrant I, find:

a)  $\cos \theta$

b)  $\sin \theta$

c)  $\tan \theta$

d)  $\sec \theta$

e)  $\csc \theta$

f)  $\cot \theta$

3. If  $\tan \theta = \frac{24}{7}$  and  $\theta$  is in Quadrant I, find:

a)  $\cos \theta$

b)  $\sin \theta$

c)  $\tan \theta$

d)  $\sec \theta$

e)  $\csc \theta$

f)  $\cot \theta$

4. If  $\sin \theta = \frac{5}{6}$  and  $\theta$  is in Quadrant I, find:

a)  $\cos \theta$

b)  $\sin \theta$

c)  $\tan \theta$

d)  $\sec \theta$

e)  $\csc \theta$

f)  $\cot \theta$

5. If  $\tan \theta = \frac{6}{3}$  and  $\theta$  is in Quadrant I, find:

a)  $\cos \theta$

b)  $\sin \theta$

c)  $\tan \theta$

d)  $\sec \theta$

e)  $\csc \theta$

f)  $\cot \theta$

6. If  $\sec \theta = \frac{5}{2}$  and  $\theta$  is in Quadrant I, find:

a)  $\cos \theta$

b)  $\sin \theta$

c)  $\tan \theta$

d)  $\sec \theta$

e)  $\csc \theta$

f)  $\cot \theta$