

Name \_\_\_\_\_ Date \_\_\_\_\_

**Quiz: Trigonometric Functions**

1 Given:  $\cos\theta = (8/10)$ ,  
Find:  $\sec\theta$

2 Given:  $\tan\theta = (12/5)$ ,  
Find:  $\tan\theta \cdot \sec\theta$

3 Given:  $\sin\theta = (15/17)$ ,  
Find:  $\tan\theta$

4 Given:  $\cot\theta = (12/16)$ ,  
Find:  $\sec\theta \cdot \cot\theta$

5 Find to the nearest degree, the measure of an acute angle formed by the x-axis and the line containing the points (4,7) and (8,5).

6 Given:  $\cos\theta = (7/25)$ ,  
Find:  $\operatorname{cosec}\theta$

7 Given:  $\sec\theta = (26/10)$ ,  
Find:  $(\tan\theta / \operatorname{cosec}\theta)$

8 Given:  $\operatorname{cosec}\theta = (41/9)$ ,  
Find:  $\tan\theta$

9 Given:  $\cot\theta = (20/21)$ ,  
Find:  $\sec\theta \cdot \cot\theta$

10 Find to the nearest degree, the measure of an acute angle formed by the x-axis and the line containing the points (7,2) and (5,1).

Circle # Correct	0	1	2	3	4	5	6	7	8	9	10
Percentage Score	0%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%