

Name _____ Score _____/10

Please Print Clearly

Calculators are permitted. HOWEVER, work must be presented to show me what you did to answer the question.

1. Refer to Figure 1. If $c = 9$ and $a = 7$, what is the value of b ?

2. Refer to Figure 1. What is the relation between $\sin(\alpha)$ and $\cos(\beta)$?

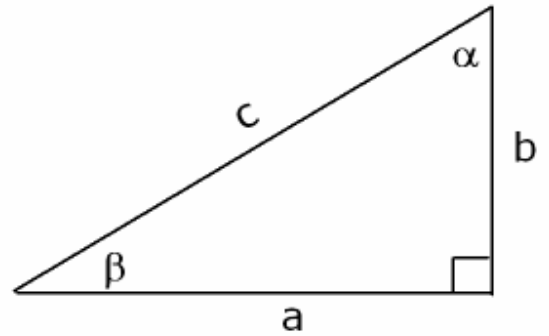


Figure 1

3. Refer to Figure 1.

Suppose $\alpha = 54^\circ$ and $c = 4.3$. Find β , a , and b .

4. Express each of the following in terms of $\sin(x)$ and/or $\cos(x)$

$$\tan(x) =$$

$$\cot(x) =$$

$$\csc(x) =$$

$$\sec(x) =$$

5. Supply the coordinates of the point P on the UNIT CIRCLE diagram

