

3.2B Sine, Cosine, and Tangent

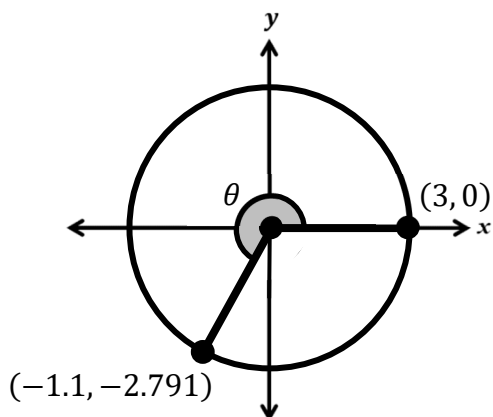
AP Precalculus

Name: _____

CA #1

Each figure below gives a circle in the xy -plane with center at the origin, and an angle θ in standard position. Find the value of each expression.

1.

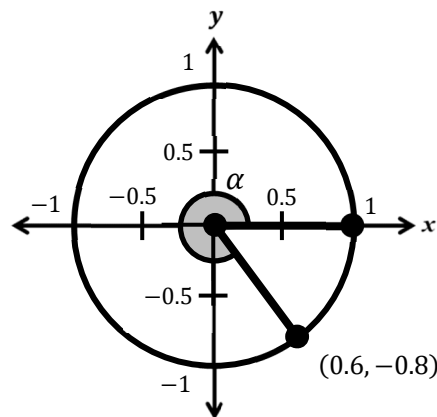


a. $\sin \theta =$

b. $\cos \theta =$

c. $\tan \theta =$

2.

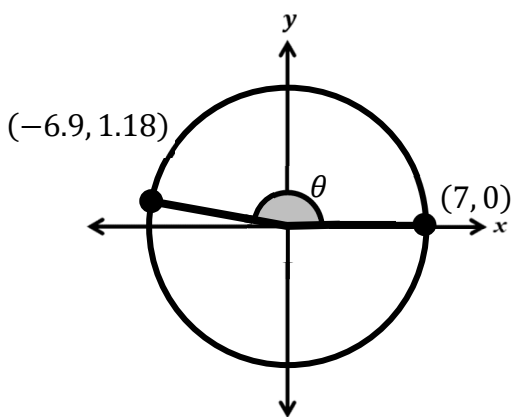


a. $\sin \alpha =$

b. $\cos \alpha =$

c. $\tan \alpha =$

3.

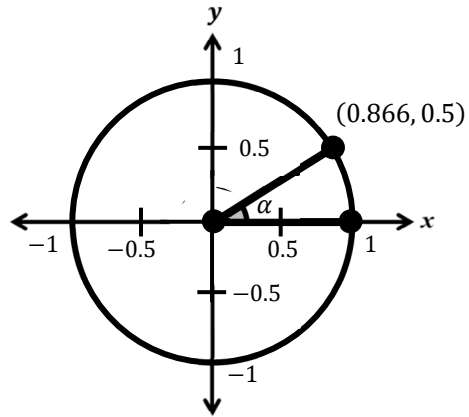


a. $\sin \theta =$

b. $\cos \theta =$

c. $\tan \theta =$

4.



a. $\sin \alpha =$

b. $\cos \alpha =$

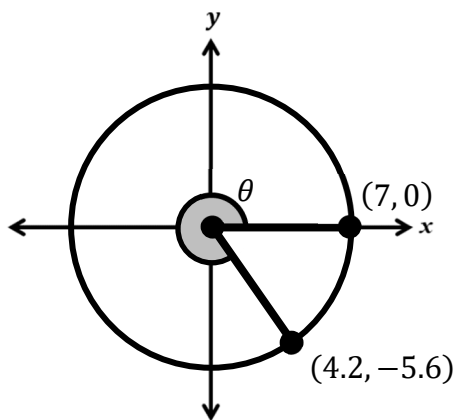
c. $\tan \alpha =$

5.

a. $\sin \theta =$

b. $\cos \theta =$

c. $\tan \theta =$



Answers to 3.2B CA #1

1a. -0.930	2a. -0.8	3a. 0.1685	4a. 0.5	5a. -0.8
1b. -0.3666	2b. 0.6	3b. -0.9857	4b. 0.866	5b. 0.6
1c. 2.537	2c. -1.333	3c. -0.171	4c. 0.577	5c. -1.333