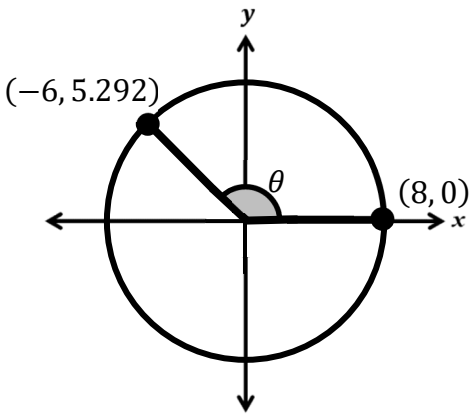
3.2B Sine, Cosine, and Tangent

AP Precalculus Name: _____ **CA #2**

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.

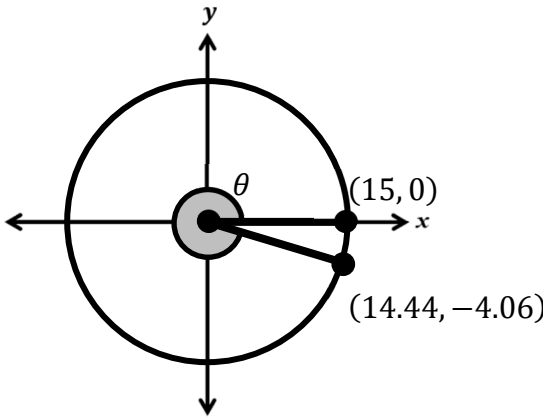


a. $\sin\theta =$

b. $\cos\theta =$

c. $\tan\theta =$

2.

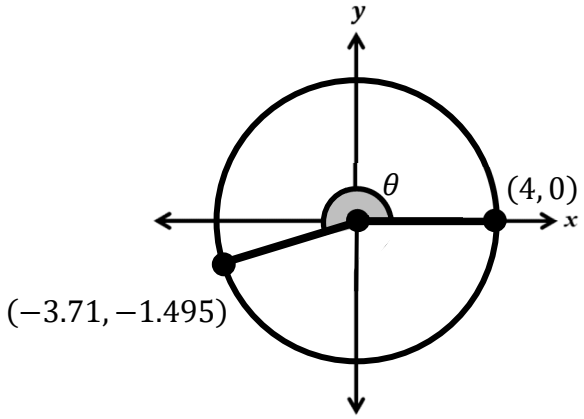


a. $\sin\theta =$

b. $\cos\theta =$

c. $\tan\theta =$

3.

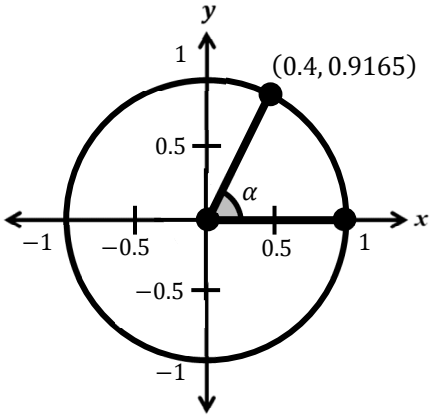


a. $\sin\theta =$

b. $\cos\theta =$

c. $\tan\theta =$

4.



a. $\sin\alpha =$

b. $\cos\alpha =$

c. $\tan\alpha =$

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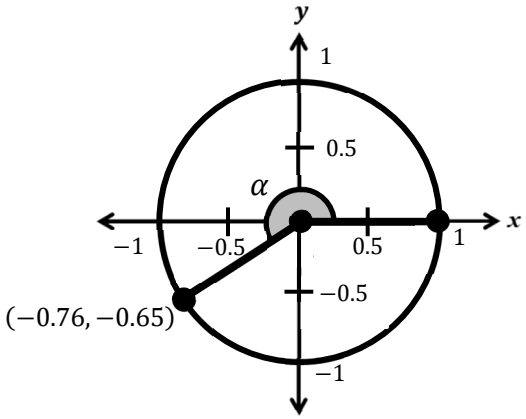
5.

a. $\sin\alpha =$

b. $\cos\alpha =$

c. $\tan\alpha =$



Answers to 3.2B CA #2

1a. 0.6615	2a. −0.2706	3a. −0.3737	4a. 0.9165	5a. −0.65
1b. −0.75	2b. 0.9626	3b. −0.9275	4b. 0.4	5b. −0.76
1c. −0.882	2c. −0.281	3c. 0.4029	4c. 2.291	5c. 0.855

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