## Acc Geo-Chp 13.3/13.6 Graded Assignment 2021

Short Answer
**Show all work to receive credit.**

Find the exact value, using the triangle method (without using the unit circle). You must show your sketch of the angle, reference angle, triangle (reference angle, right angle and side lengths), the point the horizontal and vertical components make, and your work. Failure to follow these instructions will result in loss of points. Please follow directions carefully.

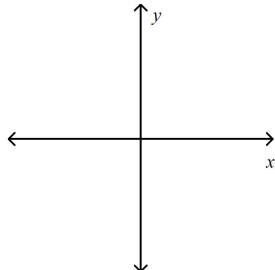1. Find the exact value of $\cos\left(\dfrac{3\pi}{4}\right)$. $\cos\left(\dfrac{3\pi}{4}\right)=$ _____
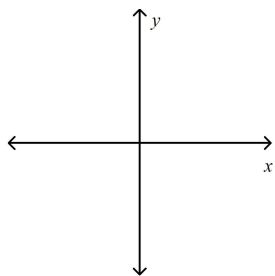
2. Find the exact value of $\tan\left(\dfrac{11\pi}{6}\right)$. $\tan\left(\dfrac{11\pi}{6}\right) =$ _____
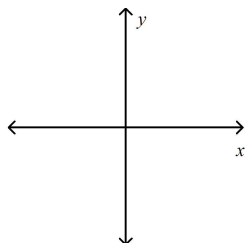
3. Find the exact value of $\tan(-90)°$. $\tan(-90)°=$ _____

4. Find the exact value of $\cos(150°)$ $\cos(150°)=$ _____
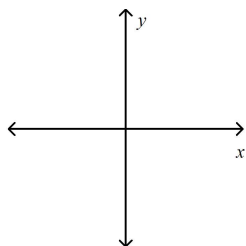
Find the exact value of each function by using the unit circle. Place the coordinates that correspond to the answer of the question under the question.

5. Find the exact value of $\sin\left(\dfrac{7\pi}{3}\right)$ $\sin\left(\dfrac{7\pi}{3}\right) =$ _____

(_____ , _____)

6. Find the exact value of $\cos(-120^{o})$ $\cos(-120^{o}) =$ _____

(_____ , _____)
.
7. Find the exact value of $\cos(-420)^{\circ}$. $\cos(-420)^{\circ} =$ _____

(_____ , _____)

8. Find the exact value of $\csc(-420^{\circ})$ $\csc(-420^{\circ}) =$ _____

(_____ , _____)
.
9. Find the exact value of $\cot 450^{\circ}$. $\cot 450^{\circ} =$ _____

(_____ , _____)

10. Find the exact value of $\sin\left(-\dfrac{10\pi}{3}\right)$. $\sin\left(-\dfrac{10\pi}{3}\right) =$ _____

(_____ , _____)

11. Find the exact value of $\cos 5\pi$ $\cos 5\pi =$ _____

(_____ , _____)

12. Find the exact value of $\cos\left(-\dfrac{3\pi}{4}\right)$. $\cos\left(-\dfrac{3\pi}{4}\right) =$ _____

(_____ , _____)
.