Instructions: Complete the following exercises. Show all work and write in complete sentences where appropriate. Scan and upload a copy to Blackboard. If you do not show all of your work, you will receive a zero.

1. You are told that a slice of pizza whose edges form a 22° angle with an outer crust edge 5 inches long was found in a gym locker. What was the diameter of the original pizza? Write your answer in a complete sentence, including units.

2. Amsterdam, Netherlands is due north of Lyons, France. Find the distance between Amsterdam (latitude 52.3° N) and Lyons (latitude 45.6° N). Write your answer in a complete sentence, including units [Hint: the radius of the Earth is 3960 miles].

3. Watch the video labeled "A trick to remembering the unit circle" under "Week #10" in the "In-Class lessons and Additional Resources" tab on Blackboard. (https://youtu.be/ao4EJzNWmK8). Briefly summarize the trick in a few sentences, and then use it to fill out the unit circle below.

