

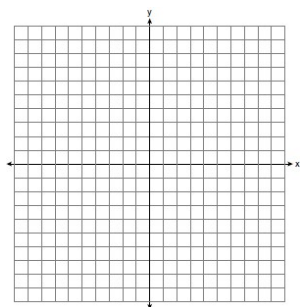
Name \_\_\_\_\_  
Mr. Schlansky

Date \_\_\_\_\_  
Algebra II

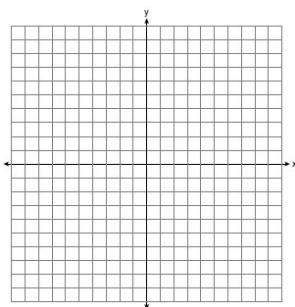


## *Sketching Radian Angles on the Grid*

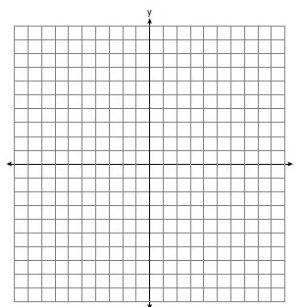
1.  $\theta = \frac{5\pi}{3}$



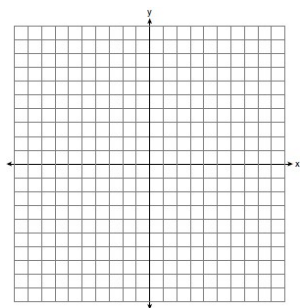
2.  $\theta = \frac{7\pi}{4}$



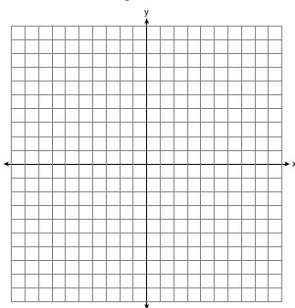
3.  $\theta = 2$



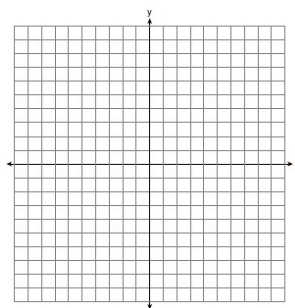
4.  $\theta = 4.1$



5.  $\theta = -\frac{\pi}{6}$

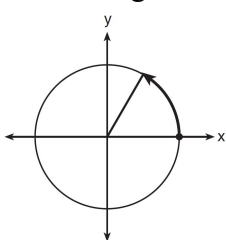


6.  $\theta = 9.2$

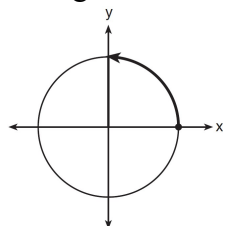


7. Which diagram shows an angle rotation of 1 radian on the unit circle?

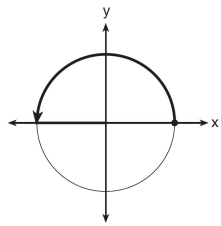
1)



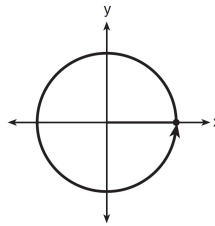
2)



3)

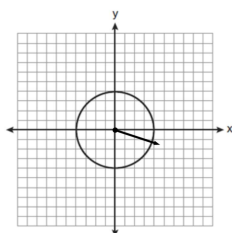


4)

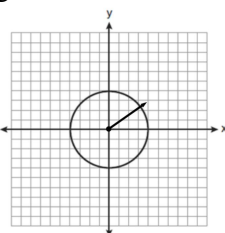


8. Which of the following sketches would represent 6 radians?

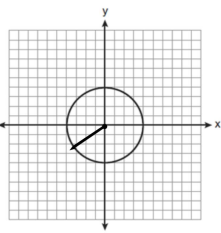
1)



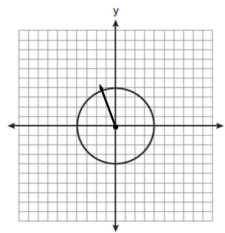
2)



3)

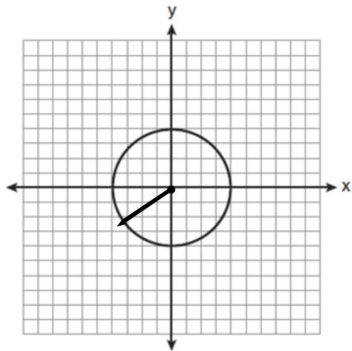


4)



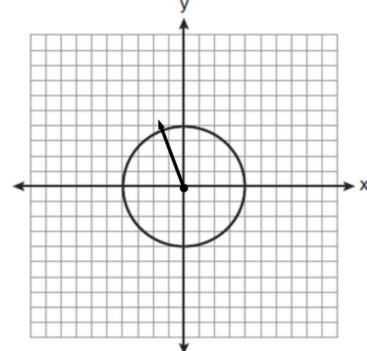
9. Which angle is sketched below?

- 1) 2.4 radians
- 2) 4.5 radians
- 3) 3.8 radians
- 4) 5.2 radians



10. Which angle is sketched below?

- 1) 1 radian
- 2) 1.7 radians
- 3) 3 radians
- 4) 4.1 radians

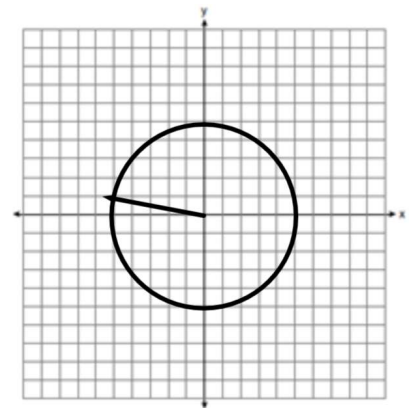


11. Which of the following sketches would represent 3.9 radians?

- 1)
- 2)
- 3)
- 4)

12. Which of the following can be the radian measure of the angle sketched below?

- 1) 1.5
- 2) 3
- 3) 3.8
- 4) 5



13. An angle,  $\theta$ , is rotated counterclockwise on the unit circle, with its terminal side in the second quadrant, as shown in the diagram below.

Which value represents the radian measure of angle  $\theta$ ?

- 1) 1
- 2) 2
- 3) 65.4
- 4) 114.6

