Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1.8 The Unit Circle

Find the exact value:

1.  2.  3.  4. 

5.  6.  7.  8. 

9. If cscθ > 0, then θ lies in quadrant(s)\_\_\_\_\_

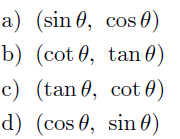
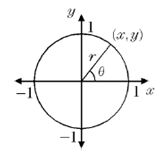
10. If cscθ < 0, and secθ > 0 then θ lies in quadrant(s)\_\_\_\_\_

11. Which of the following points is not on the unit circle?

A)  B)  C) 

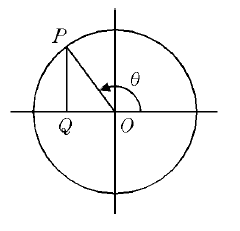
12. Which radian value is associated with the coordinates

13. In the accompanying diagram of a unit circle, the ordered pair (x,y) represents the locus of points for the circle. Which ordered pair is equivalent to (x,y)?

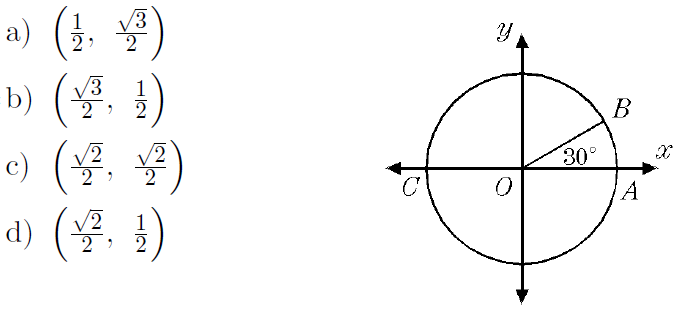
 

14. Find 2 negative and 3 positive angles, expressed in radians, for which the point on the unit circle corresponds to each angle is:

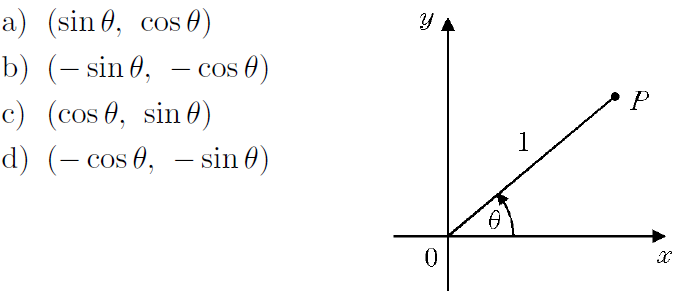


15. In the accompanying diagram, circle O is a unit circle. What function is represented by the length of segment OQ?

1. 
2. 
3. 
4. 

16. In the diagram of circle O and . What are the coordinates of B?

17. In the figure . What are the coordinates of point P?



18. In the diagram, the ordered pair (x,y) represents the point where the terminal side of θ intersects the unit circle. If , what is the value of x in simplest form?

