

Spring, 1999
Peterson

MATH 124.

SUGGESTED EXERCISES FOR CHAPTER 5.

<u>DATE.</u>	<u>SECTION.</u>	<u>SUGGESTED EXERCISES.</u>
Monday, April 12.	5.1.	PAGE 264: (U) 1,3,7,9 (M) 1,7,9,11,17,21,27,29,33,37,43,45,49.
Tuesday, April 13. Wednesday, April 14.	5.2.	PAGE 274: (U) 1, 3, 7 (M) 1,3,5,11,17,19,25,27,31,39,47,49,51,53, 57,59,63,,67,81.
Thursday, April 15. Friday, April 16.	5.3.	PAGE 285: (U) 1,3,7. (M) 1,3,7,13,17,19,21,,29,31,35,41,47,51,53,61,63.
Monday, April 19. Tuesday, April 20.	5.4.	PAGE 297: (U) 1,3,5,7. (M) 1,3,7,13,19,21,25,31,41,45,47,49,55,57,61,65.
Wednesday, April 21. Thursday, April 22.	5.5.	PAGE 309: (U) 1,5,7,9. (M) 1,3,5,7,9,11,17,23,27,33,37,45,57.

OBJECTIVES:

- (1) To be able to describe angles in radian and degree measure.
- (2) To be able to determine the arc length of a circular arc in terms of the radius and central angle.
- (3) To be able to determine area of a circular sector in terms of the radius and central angle.
- (4) To understand angular velocity and linear velocity for circular motion.
- (5) To learn the unit circle definitions of the six trig functions and resulting basic relationships.
- (6) To understand reference angles and reference triangles for angles in standard position.
- (7) To learn key exact values for the sine and cosine functions.
- (8) To learn basic trigonometric graphs and transformations of them.
- (9) To learn to do optimization problems involving trig functions.
- (10) To study inverse trig functions and their applications.