Math 3/3H Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**6.1 The Unit Circle** Period \_\_\_\_\_\_\_\_\_\_\_\_\_\_



**Convert each degree measure into radians.**

17. -2900 18. 3450 19. 9700 20. -5100 21. 1500

22. 3150 23. 2100 24. 900 25. 1800 26. 2250

**Convert each radian measure into degrees.**

27. $\frac{3π}{2}$ 28. $\frac{7π}{2}$ 29. $\frac{5π}{4}$ 30. $\frac{16π}{7}$ 31. $\frac{5π}{3}$

32.$ \frac{9π}{4}$ 33. $\frac{π}{2}$ 34. $π$ 35. $\frac{7π}{4}$ 36. $\frac{8π}{3}$

**Fill in both unit circles below. (Practice memorizing**)



**List the order pair for the angle measure.**

37. 1800 = ( , ) 38. 2400 = ( , ) 39. 3300 = ( , )

40. $π$ = ( , ) 41. $\frac{4π}{3}$ = ( , ) 42. $\frac{11π}{6}$ = ( , )

**List the value according to the angle.**

43. x-value at 450 44. y-value at 1500 45. x-value at 2100

46. y-value at $\frac{3π}{4}$ 47. x-value at $\frac{π}{3}$ 48. y-value at $\frac{5π}{3}$