

AP Calculus AB**Section 1.3: Trigonometric Functions****Worksheet 3a: Conversions and quadrants**

Directions: For each of the angle measures given below:

(A) Find the equivalent radian or degree measure

(B) Determine the quadrant in which the terminal side of the angle lies

(C) Determine the sign of the sine, cosine, and tangent function of the angle

1. $\frac{3\pi}{2}$

2. -120°

3. 45°

4. $-\frac{5\pi}{6}$

5. $\frac{3\pi}{4}$

6. -270°

7. $\frac{\pi}{3}$

8. -180°

9. $\frac{7\pi}{6}$

10. 60°

11. 225°

12. $-\frac{5\pi}{4}$

13. 315°

14. $-\frac{2\pi}{3}$

15. $\frac{11\pi}{6}$

16. -135°

17. $\frac{\pi}{6}$

18. $\frac{5\pi}{3}$