**Trig/Precalc Quiz Review #1** Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Evaluate each expression using your unit circle.**

1. 2. 3.

4. sec 240° 5. 6.

7. sec 90° 8. 9. tan 360°

**Simplify each expression.**

10. 11.

12. 13.

**Verify each identity.**

14. 15.

16.

**Evaluate each expression.**

17. 18. 19.

**Solve each equation.**

20. 21.

22. 23.

**Solve each equation.**

**24.**  for all real values of x. **25.** Solve 2.

**26.**  for. **27.**  for all real values of x.

**28.** tan = 0 for principal values of x.

**29.** cos (x + 45°) + cos(x + 45°) = for