AP Calculus AB

2014-15 Summer Homework

Unit 1 – The Unit Circle Assignment

**Directions:** Identify one equivalent value for each of the following radian measures.

|  |  |  |  |
| --- | --- | --- | --- |
| **1.** |  | = | \_\_\_\_\_\_\_\_\_\_\_\_ |
| **2.** |  | = | \_\_\_\_\_\_\_\_\_\_\_\_ |
| **3.** | 6π | = | \_\_\_\_\_\_\_\_\_\_\_\_ |
| **4.** | 7π | = | \_\_\_\_\_\_\_\_\_\_\_\_ |

**Directions:** Identify the value of each trigonometric function at the given radian value.

1. cos 0 = \_\_\_\_\_\_\_
2. sin = \_\_\_\_\_\_\_
3. cos = \_\_\_\_\_\_\_
4. sin = \_\_\_\_\_\_\_
5. sin = \_\_\_\_\_\_\_
6. cos = \_\_\_\_\_\_\_
7. sin 8π = \_\_\_\_\_\_\_
8. cos 5π = \_\_\_\_\_\_\_
9. cos  = \_\_\_\_\_\_\_
10. sin = \_\_\_\_\_\_\_
11. cos  = \_\_\_\_\_\_\_
12. sin  = \_\_\_\_\_\_\_