Week of April 6th Review **Answers**

**4-3 Unit Circle**

Find the exact value.

1.  2.  3.  4.  5. 

6.  7.  8. 

**5-4 Sum & Difference Identities**

Find the exact value of each trigonometric expression using the sum difference identities.

1.  2.  3.  4. 

5.  6. 

**1-2 Even/Odd Functions & 5-1 Even-Odd Identities**

Determine if the following functions are even, odd or neither.

1. Even 2. Even 3. Neither 4. Odd

Solve the following using Even-Odd Identities

5. 6.  7. 8. 

**1-3 Limits**

Use the graph of each function to describe its end behavior. Support the conjecture numerically.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | -100 | -10 | 0 | 10 | 100 |
|  | 5069999 | 5699 | -1 | -4301 | -4930001 |

1. 

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | -100 | -10 | 0 | 10 | 100 |
|  | 1.0001 | 1.01005 | -1 | 1.01005 | 1.0001 |

2. 

Determine if each function is continuous at the given x-value. If discontinuous, identify the type.

3. Removable Discontinuity 4. At; Infinite Discontinuity   
 At; Continuous  
 