**Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date** \_\_\_\_\_\_\_\_\_\_\_\_\_\_­­­­

**Grouping:**

1. 
2. 
3. 

**What about problems with a higher degree?**

1. 
2. 

**Factor and Check your answers!!**

1. 
2. 
3. 
4. 
5. 
6. 

1. 
2. 

|  |
| --- |
| **State whether the following is Even, Odd or Neither**  |
| 1.
2.
 | 1.
2.
 |
|

|  |
| --- |
| **State whether the following is Even, Odd or Neither**  |
| 1.

1.

  | 1. [image]
2. [image]
 |

**Use the graph and find the following:**1. Domain: \_\_\_\_\_\_\_\_ 10. Range: \_\_\_\_\_\_\_\_\_\_\_\_
2. Intervals of Increasing: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Intervals of Decreasing: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. [image]Relative Maximums: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. Relative Minimums: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. # of Extrema: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. Y-intercept \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
8. End Behavior
 |