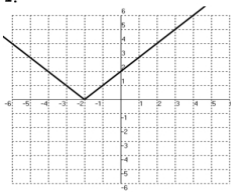
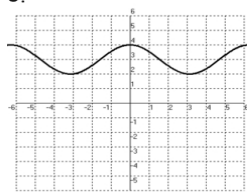
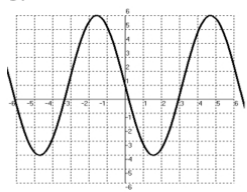
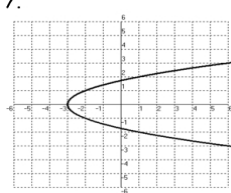
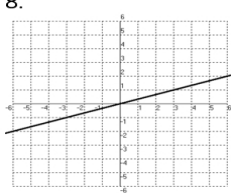


Pre-Calculus Worksheet
Even, Odd, or Neither

Name: _____

Period: _____

I. Determine whether each function if even, odd, or neither. EXPLAIN your answer.

<p>1.</p> 	<p>2.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tbody> <tr> <td>x</td> <td>-2</td> <td>-1</td> <td>0</td> <td>1</td> <td>2</td> </tr> <tr> <td>y</td> <td>0</td> <td>-3</td> <td>-4</td> <td>-3</td> <td>0</td> </tr> </tbody> </table>	x	-2	-1	0	1	2	y	0	-3	-4	-3	0	<p>3.</p> 												
x	-2	-1	0	1	2																					
y	0	-3	-4	-3	0																					
<p>4.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tbody> <tr> <td>x</td> <td>-2</td> <td>-1</td> <td>0</td> <td>1</td> <td>2</td> </tr> <tr> <td>y</td> <td>-4</td> <td>$-\frac{1}{2}$</td> <td>0</td> <td>$\frac{1}{2}$</td> <td>4</td> </tr> </tbody> </table>	x	-2	-1	0	1	2	y	-4	$-\frac{1}{2}$	0	$\frac{1}{2}$	4	<p>5.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tbody> <tr> <td>x</td> <td>-2</td> <td>-1</td> <td>0</td> <td>1</td> <td>2</td> </tr> <tr> <td>y</td> <td>3</td> <td>5</td> <td>7</td> <td>9</td> <td>11</td> </tr> </tbody> </table>	x	-2	-1	0	1	2	y	3	5	7	9	11	<p>6.</p> 
x	-2	-1	0	1	2																					
y	-4	$-\frac{1}{2}$	0	$\frac{1}{2}$	4																					
x	-2	-1	0	1	2																					
y	3	5	7	9	11																					
<p>7.</p> 	<p>8.</p> 	<p>9.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tbody> <tr> <td>x</td> <td>-2</td> <td>-1</td> <td>0</td> <td>1</td> <td>2</td> </tr> <tr> <td>y</td> <td>-26</td> <td>-1</td> <td>0</td> <td>1</td> <td>26</td> </tr> </tbody> </table>	x	-2	-1	0	1	2	y	-26	-1	0	1	26												
x	-2	-1	0	1	2																					
y	-26	-1	0	1	26																					

II. Determine ALGEBRAICALLY whether each function is even, odd, or neither.

<p>10. $f(x) = x^6 - 2x^2 + 3$</p>	<p>11. $g(x) = x^2 + 2x - 3$</p>	<p>12. $h(x) = x^3 - 5$</p>
---	---	--