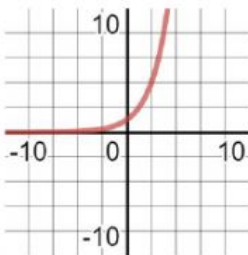
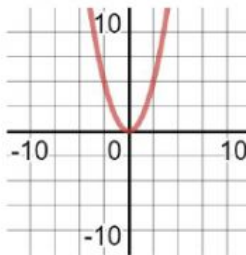


Name: _____

Class: _____

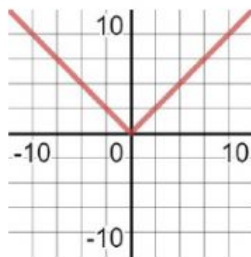
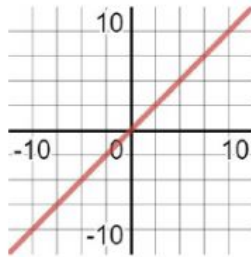
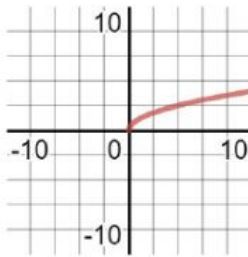
Match each depiction with the name of the parent function. Your choices are:

Linear	Quadratic	Absolute Value	Square Root	Exponential
--------	-----------	----------------	-------------	-------------

“Water slide”	<table><tr><td>x</td><td>-3</td><td>-1</td><td>2</td><td>4</td></tr><tr><td>y</td><td>-3</td><td>-1</td><td>2</td><td>4</td></tr></table>	x	-3	-1	2	4	y	-3	-1	2	4	$y = \sqrt{x}$	<table><tr><td>x</td><td>-2</td><td>0</td><td>2</td><td>3</td></tr><tr><td>y</td><td>.25</td><td>1</td><td>4</td><td>8</td></tr></table>	x	-2	0	2	3	y	.25	1	4	8
x	-3	-1	2	4																			
y	-3	-1	2	4																			
x	-2	0	2	3																			
y	.25	1	4	8																			
(-4,-4), (-2,-2), (-1,-1), (0,0), (3,3), (5,5)		(-4,4), (-2,2), (0,0), (1,1), (3,3), (5,5)	$y = 2^x$																				
<table><tr><td>x</td><td>-4</td><td>-2</td><td>1</td><td>3</td></tr><tr><td>y</td><td>16</td><td>4</td><td>1</td><td>9</td></tr></table>	x	-4	-2	1	3	y	16	4	1	9	(-3,9), (-2,4), (-1,1), (0,0), (4,16), (5,25)	Parabola											
x	-4	-2	1	3																			
y	16	4	1	9																			
(-3,0.125), (-1,0.5), (0,1), (1,2), (3,8)	$y = x^2$	<table><tr><td>x</td><td>-5</td><td>-3</td><td>2</td><td>3</td></tr><tr><td>y</td><td>5</td><td>3</td><td>2</td><td>3</td></tr></table>	x	-5	-3	2	3	y	5	3	2	3	Line										
x	-5	-3	2	3																			
y	5	3	2	3																			

Name: _____

Class: _____

	<table border="1"><tr><td>x</td><td>-4</td><td>-2</td><td>1</td><td>3</td></tr><tr><td>y</td><td>E</td><td>E</td><td>1</td><td>1.73</td></tr></table>	x	-4	-2	1	3	y	E	E	1	1.73	Starts at the origin and hooks to the right	$y = x $
x	-4	-2	1	3									
y	E	E	1	1.73									
	$(-3,E), (0,0), (1,1), (4,2), (5,2.24)$	V shape											
	$y = x$												