

	$y = \frac{1}{2}x^2$	$y = \frac{1}{4}x^2 - 1$	$y = -x^2$	$y = 2x^2 - 3$	$y = -\frac{1}{3}x^2 + 4$																																																												
1. Value of "a"	1/2	1/4	-1	2	-1/3																																																												
2. Value of "c"	0	-1	0	-3	4																																																												
3. Direction of Opening	up	up	down	up	down																																																												
4. Curve wider, normal or narrow	wider	wider	normal	narrow	wide																																																												
5. Does it have a max or min point	min	min	max	min	max																																																												
6. Coordinates of the vertex	(0, 0)	(0, -1)	(0, 0)	(0, -3)	(0, 4)																																																												
7. Equation of axis of symmetry	$x = 0$	$x = 0$	$x = 0$	$x = 0$	$x = 0$																																																												
8. Max or min value	$y = 0$	$y = -1$	$y = 0$	$y = -3$	$y = 4$																																																												
9. Domain of the function	$x \in \mathbb{R}$ or $(-\infty, \infty)$	$x \in \mathbb{R}$ or $(-\infty, \infty)$	$x \in \mathbb{R}$ or $(-\infty, \infty)$	$x \in \mathbb{R}$ or $(-\infty, \infty)$	$x \in \mathbb{R}$ or $(-\infty, \infty)$																																																												
10. Range of the function	$y \geq 0$	$y \geq -1$	$y \leq 0$	$y \geq -3$	$y \leq 4$																																																												
11. Table of Values	<table border="1"> <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>2</td><td>1/2</td><td>0</td><td>1/2</td><td>2</td></tr> </table>	X	-2	-1	0	1	2	y	2	1/2	0	1/2	2	<table border="1"> <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>-3/4</td><td>-1</td><td>-3/4</td><td>0</td></tr> </table>	X	-2	-1	0	1	2	y	0	-3/4	-1	-3/4	0	<table border="1"> <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>-1</td><td>0</td><td>-1</td><td>-4</td></tr> </table>	X	-2	-1	0	1	2	y	-4	-1	0	-1	-4	<table border="1"> <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>5</td><td>-1</td><td>-3</td><td>-1</td><td>5</td></tr> </table>	X	-2	-1	0	1	2	y	5	-1	-3	-1	5	<table border="1"> <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>8/3</td><td>11/3</td><td>4</td><td>11/3</td><td>8/3</td></tr> </table>	X	-2	-1	0	1	2	y	8/3	11/3	4	11/3	8/3
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y	2	1/2	0	1/2	2																																																												
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y	5	-1	-3	-1	5																																																												
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y	8/3	11/3	4	11/3	8/3																																																												
12. Sketch of function (scale .5)																																																																	