

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