

	$y = 3x^2$	$y = 2x^2 - 3$	$y = -2x^2$	$y = -x^2 + 5$	$y = -3x^2 + 5$																																																												
1. Value of "a"	3	2	-2	-1	-3																																																												
2. Value of "c"	0	-3	0	5	5																																																												
3. Direction of Opening	up	up	down	down	down																																																												
4. Curve wider, normal or narrow	narrow	narrow	narrow	normal	narrow																																																												
5. Does it have a max or min point	min	min	max	max	max																																																												
6. Coordinates of the vertex	(0, 0)	(0, -3)	(0, 0)	(0, 5)	(0, 5)																																																												
7. Equation of axis of symmetry	$x = 0$	$x = 0$	$x = 0$	$x = 0$	$x = 0$																																																												
8. Max or min value	$y = 0$	$y = -3$	$y = 0$	$y = 5$	$y = 5$																																																												
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	$y \geq 0$	$y \geq -3$	$y \leq 0$	$y \leq 5$	$y \leq 5$																																																												
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>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>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</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>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>-7</td><td>2</td><td>5</td><td>2</td><td>-7</td></tr> </table>	X	-2	-1	0	1	2	y	-7	2	5	2	-7
X	-2	-1	0	1	2																																																												
y	12	3	0	3	12																																																												
X	-2	-1	0	1	2																																																												
y	5	-1	-3	-1	5																																																												
X	-2	-1	0	1	2																																																												
y	-8	-2	0	-2	-8																																																												
X	-2	-1	0	1	2																																																												
y	1	4	5	4	1																																																												
X	-2	-1	0	1	2																																																												
y	-7	2	5	2	-7																																																												
12. Sketch of function (scale .5)																																																																	