

Question	One	Two	Three	Four																																																
1. direction of opening	Up	Up	Down	Down																																																
2. min/max point or value farthest right /left	Min	Min	Max	max																																																
3. what is the min/max value or value farthest right/left?	$Y = -2$	$Y = 2$	$Y = -1$	$Y = 3$																																																
4. equation of the axis of symmetry	$X = 4$	$X = -3$	$X = 2$	$X = 4$																																																
5. coordinates of the vertex	$(4 , -2)$	$(-3 , 2)$	$(2 , -1)$	$(4 , 3)$																																																
6. table of values	<table border="1"> <thead> <tr> <th>x</th> <th>y</th> </tr> </thead> <tbody> <tr><td>-1</td><td>48</td></tr> <tr><td>0</td><td>30</td></tr> <tr><td>4</td><td>-2</td></tr> <tr><td>8</td><td>30</td></tr> <tr><td>9</td><td>48</td></tr> </tbody> </table>	x	y	-1	48	0	30	4	-2	8	30	9	48	<table border="1"> <thead> <tr> <th>x</th> <th>y</th> </tr> </thead> <tbody> <tr><td>-7</td><td>6</td></tr> <tr><td>-6</td><td>17/4</td></tr> <tr><td>-3</td><td>2</td></tr> <tr><td>0</td><td>17/4</td></tr> <tr><td>1</td><td>6</td></tr> </tbody> </table>	x	y	-7	6	-6	17/4	-3	2	0	17/4	1	6	<table border="1"> <thead> <tr> <th>x</th> <th>y</th> </tr> </thead> <tbody> <tr><td>-1</td><td>-73</td></tr> <tr><td>0</td><td>-33</td></tr> <tr><td>2</td><td>-1</td></tr> <tr><td>4</td><td>-33</td></tr> <tr><td>5</td><td>-73</td></tr> </tbody> </table>	x	y	-1	-73	0	-33	2	-1	4	-33	5	-73	<table border="1"> <thead> <tr> <th>x</th> <th>y</th> </tr> </thead> <tbody> <tr><td>-1</td><td>-103</td></tr> <tr><td>0</td><td>-93</td></tr> <tr><td>4</td><td>3</td></tr> <tr><td>8</td><td>-93</td></tr> <tr><td>9</td><td>-103</td></tr> </tbody> </table>	x	y	-1	-103	0	-93	4	3	8	-93	9	-103
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7. what is the value of "c"	1/8	1	1/32	1/24																																																
8. what are the coordinates of the focal point?	$(4 , -15/8)$	$(-3 , 3)$	$(2 , -33/32)$	$(4 , 71/24)$																																																
9. Equation of the directrix?	$Y = -17/8$	$Y = 1$	$Y = -31/32$	$Y = 73/24$																																																
10. Domain (values of x)	$x \in R$	$x \in R$	$x \in R$	$x \in R$																																																
11. Range (values of y)	$y \geq -2$	$y \geq 2$	$y \leq -1$	$y \leq 3$																																																
12. Coordinates of the endpoints of latus rectum	$(30/8, -15/8)$ $(34/8, -15/8)$	$(-5 , 3)$ $(-1 , 3)$	$(62/32, -33/32)$ $(66/32, -33/32)$	$(94/24, 71/24)$ $(98/24, 71/24)$																																																
13. Length of the latus rectum	1/2	4	1/8	1/6																																																

