

Question	One	Two	Three	Four	Five	Six																																																																								
1. direction of opening	Left	Up	Up	Up	Left	Right																																																																								
2. min/max point or value farthest right /left	Farthest right	Min	Min	Min	Farthest right	Farthest left																																																																								
3. what is the min/max value or value farthest right/left?	$X = 4$	$Y = -2$	$Y = -3$	$Y = -1$	$X = -4$	$X = -1$																																																																								
4. equation of the axis of symmetry	$Y = -3$	$X = 3$	$X = 4$	$X = 2$	$Y = 3$	$Y = 2$																																																																								
5. coordinates of the vertex	$(4, -3)$	$(3, -2)$	$(4, -3)$	$(2, -1)$	$(-4, 3)$	$(-1, 2)$																																																																								
6. table of values	<table border="1"> <thead> <tr> <th>x</th> <th>y</th> </tr> </thead> <tbody> <tr><td>-4</td><td>-7</td></tr> <tr><td>1/2</td><td>-6</td></tr> <tr><td>4</td><td>-3</td></tr> <tr><td>-1/2</td><td>0</td></tr> <tr><td>-4</td><td>1</td></tr> </tbody> </table>	x	y	-4	-7	1/2	-6	4	-3	-1/2	0	-4	1	<table border="1"> <thead> <tr> <th>x</th> <th>y</th> </tr> </thead> <tbody> <tr><td>-1</td><td>30</td></tr> <tr><td>0</td><td>16</td></tr> <tr><td>3</td><td>-2</td></tr> <tr><td>6</td><td>16</td></tr> <tr><td>7</td><td>30</td></tr> </tbody> </table>	x	y	-1	30	0	16	3	-2	6	16	7	30	<table border="1"> <thead> <tr> <th>x</th> <th>y</th> </tr> </thead> <tbody> <tr><td>-1</td><td>97</td></tr> <tr><td>0</td><td>61</td></tr> <tr><td>4</td><td>-3</td></tr> <tr><td>5</td><td>61</td></tr> <tr><td>6</td><td>97</td></tr> </tbody> </table>	x	y	-1	97	0	61	4	-3	5	61	6	97	<table border="1"> <thead> <tr> <th>x</th> <th>y</th> </tr> </thead> <tbody> <tr><td>-1</td><td>1/2</td></tr> <tr><td>0</td><td>-1/3</td></tr> <tr><td>2</td><td>-1</td></tr> <tr><td>4</td><td>-1/3</td></tr> <tr><td>5</td><td>1/2</td></tr> </tbody> </table>	x	y	-1	1/2	0	-1/3	2	-1	4	-1/3	5	1/2	<table border="1"> <thead> <tr> <th>x</th> <th>y</th> </tr> </thead> <tbody> <tr><td>43/6</td><td>-1</td></tr> <tr><td>25/4</td><td>0</td></tr> <tr><td>-4</td><td>3</td></tr> <tr><td>25/4</td><td>6</td></tr> <tr><td>43/6</td><td>7</td></tr> </tbody> </table>	x	y	43/6	-1	25/4	0	-4	3	25/4	6	43/6	7	<table border="1"> <thead> <tr> <th>x</th> <th>y</th> </tr> </thead> <tbody> <tr><td>71</td><td>-1</td></tr> <tr><td>31</td><td>0</td></tr> <tr><td>-1</td><td>2</td></tr> <tr><td>31</td><td>4</td></tr> <tr><td>71</td><td>5</td></tr> </tbody> </table>	x	y	71	-1	31	0	-1	2	31	4	71	5
x	y																																																																													
-4	-7																																																																													
1/2	-6																																																																													
4	-3																																																																													
-1/2	0																																																																													
-4	1																																																																													
x	y																																																																													
-1	30																																																																													
0	16																																																																													
3	-2																																																																													
6	16																																																																													
7	30																																																																													
x	y																																																																													
-1	97																																																																													
0	61																																																																													
4	-3																																																																													
5	61																																																																													
6	97																																																																													
x	y																																																																													
-1	1/2																																																																													
0	-1/3																																																																													
2	-1																																																																													
4	-1/3																																																																													
5	1/2																																																																													
x	y																																																																													
43/6	-1																																																																													
25/4	0																																																																													
-4	3																																																																													
25/4	6																																																																													
43/6	7																																																																													
x	y																																																																													
71	-1																																																																													
31	0																																																																													
-1	2																																																																													
31	4																																																																													
71	5																																																																													
7. what is the value of "c"	1/2	1/8	1/16	6/4	1	1/32																																																																								
8. what are the coordinates of the focal point?	$(7/2, -3)$	$(3, -14/8)$	$(4, -47/16)$	$(2, 2/4)$	$(-5, 3)$	$(-31/32, 2)$																																																																								
9. what is the equation of the directrix?	$X = 9/2$	$Y = -18/8$	$Y = -49/16$	$Y = -10/4$	$X = -3$	$X = -33/32$																																																																								
10. domain (values of x)	$x \leq 4$	$x \in R$	$x \in R$	$x \in R$	$x \leq -4$	$x \geq -1$																																																																								
11. range (values of y)	$y \in R$	$y \geq -2$	$y \geq -3$	$y \geq -1$	$y \in R$	$y \in R$																																																																								
12. coordinates of latus rectum	$(7/2, -4/2)$ $(7/2, -8/2)$	$(22/8, -14/8)$ $(26/8, -14/8)$	$(62/16, -47/16)$ $(66/16, -47/16)$	$(-4/4, 2/4)$ $(20/4, 2/4)$	$(-5, 1)$ $(-5, 5)$	$(-31/32, -62/32)$ $(-31/32, -66/32)$																																																																								
13. what is the length of the latus rectum?	2	1/2	1/4	6	4	1/8																																																																								