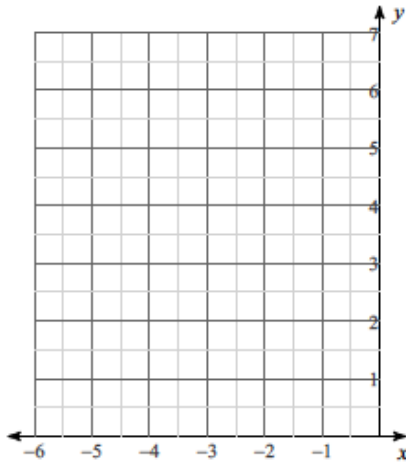


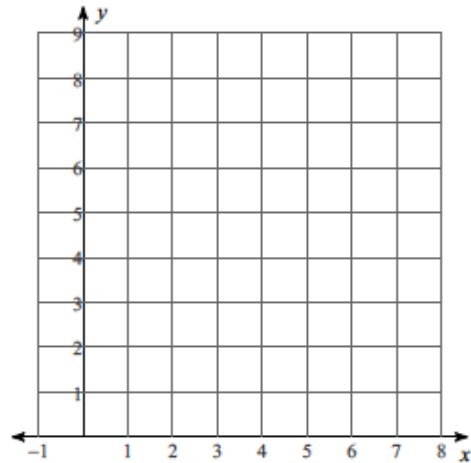
Graph each function. Find the vertex and the axis of symmetry. Specify two symmetric points other than the x-intercepts.

1) $y = x^2 + 6x + 11$



x	y
-5	
-4	
-3	
-2	
-1	

2) $y = x^2 - 8x + 20$

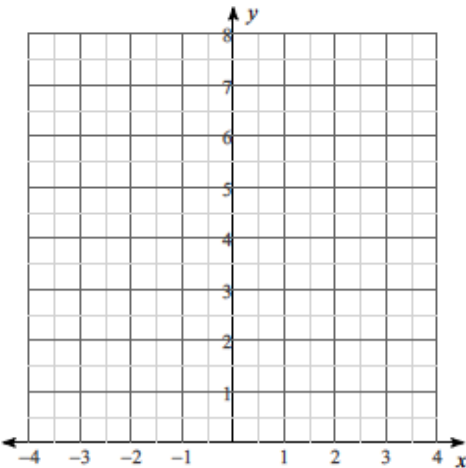


x	y
2	
3	
4	
5	
6	

Vertex: _____
 Axis of Symmetry: _____
 2 Symmetric Points: _____

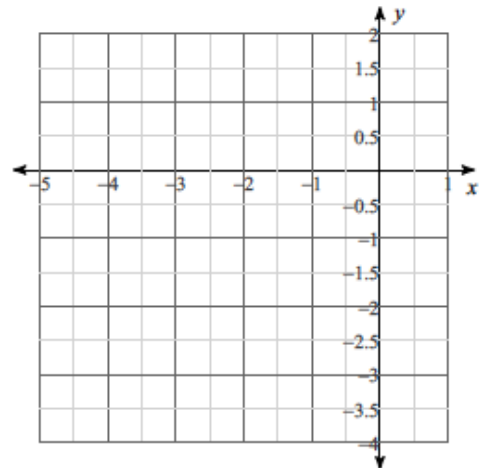
Vertex: _____
 Axis of Symmetry: _____
 2 Symmetric Points: _____

3) $y = x^2 + 2x + 4$



x	y
-3	
-2	
-1	
0	
1	

4) $y = x^2 + 6x + 6$

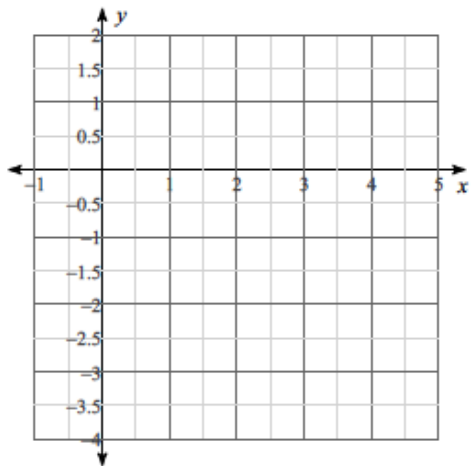


x	y
-5	
-4	
-3	
-2	
-1	

Vertex: _____
 Axis of Symmetry: _____
 2 Symmetric Points: _____

Vertex: _____
 Axis of Symmetry: _____
 2 Symmetric Points: _____

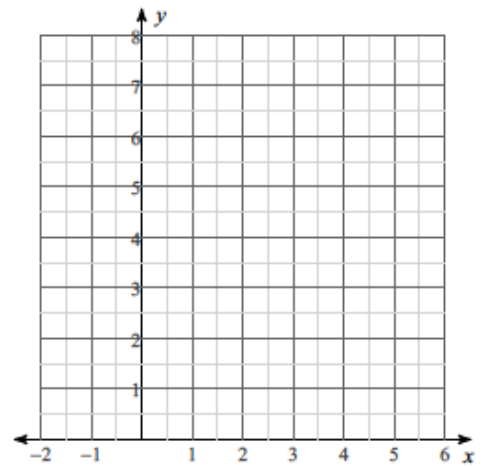
5) $y = -x^2 + 6x - 8$



x	y
1	
2	
3	
4	
5	

Vertex: _____
 Axis of Symmetry: _____
 2 Symmetric Points: _____

6) $y = x^2 - 4x + 7$



x	y
0	
1	
2	
3	
4	

Vertex: _____
 Axis of Symmetry: _____
 2 Symmetric Points: _____