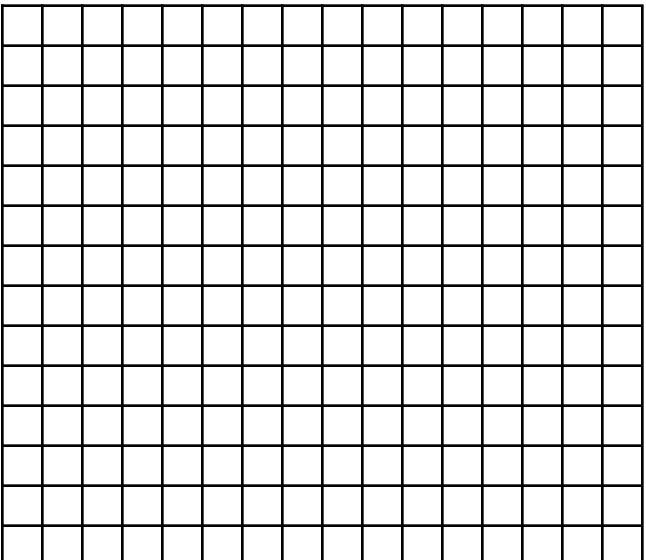


Graphing and Describing a Quadratic Function

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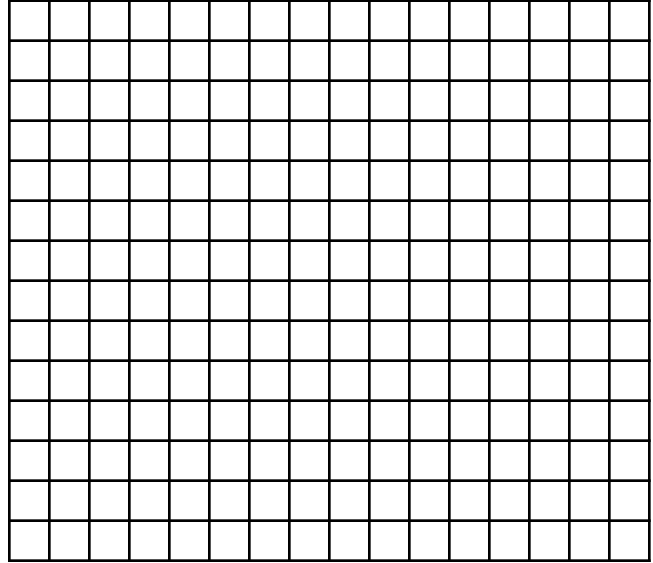
Graph and describe each quadratic function given its equation in standard form.
At least 5 points have to be reasonably exact.

L1:

$y = x^2 - 8x + 15$			
Vertex		Domain	
End behavior		Range	
y-intercept		Exact x-intercepts	
Max or min value		Axis of symmetry	

L2:

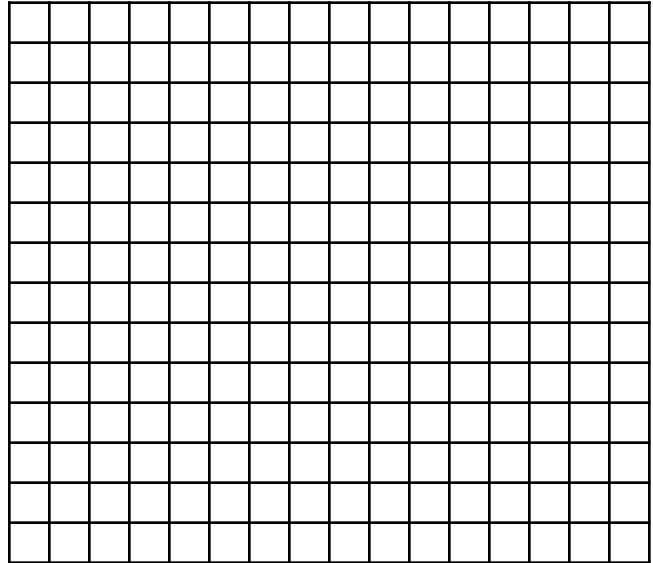
$$y = -3x^2 - 6x + 2$$



Vertex		Domain	
End behaviour		Range	
y-intercept		Exact x-intercepts	
Max or min value		Axis of symmetry	

L3:

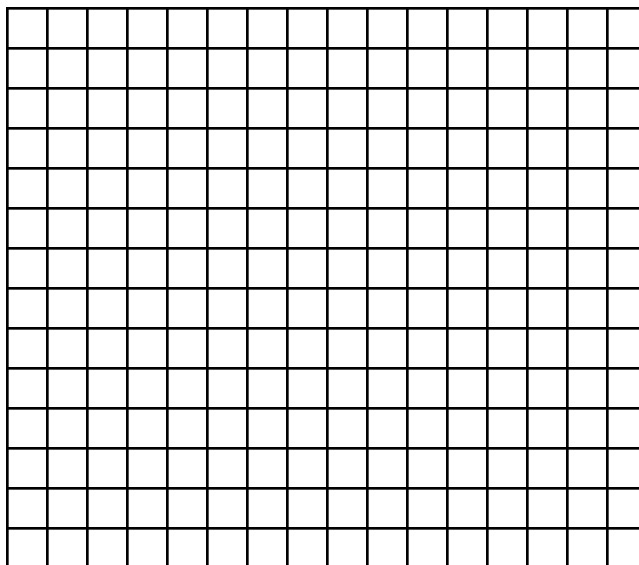
$$y = -x^2 + 7x - 5$$



Vertex		Domain	
End behaviour		Range	
y-intercept		Exact x-intercepts	
Max or min value		Axis of symmetry	

L4: The equation of a quadratic function is given in factored form

$$y = (2x + 1)(x - 4)$$



Vertex		Domain	
End behaviour		Range	
y-intercept		Exact x-intercepts	
Max or min value		Axis of symmetry	