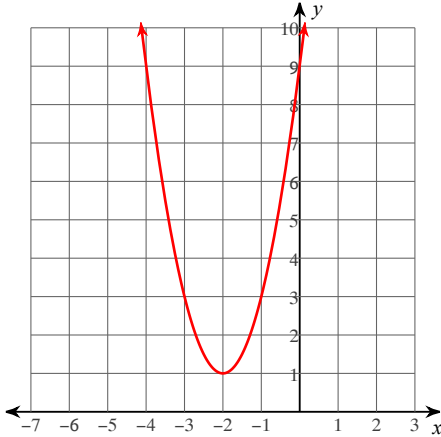


HW 13.1: Identify Characteristics of Quadratic Graphs

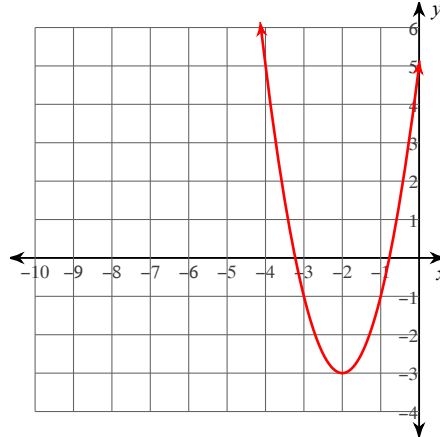
Find the vertex, axis of symmetry, y - int, minimum or maximum, direction of opening, and the domain and range.

Record your answers on the attached chart.

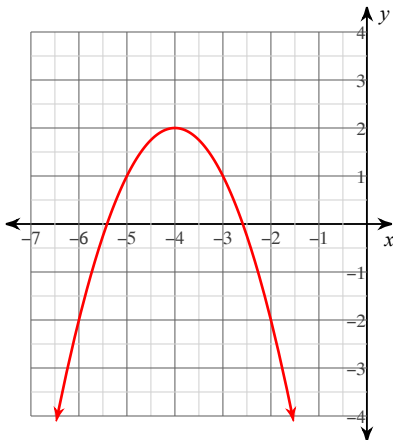
1) $y = 2x^2 + 8x + 9$



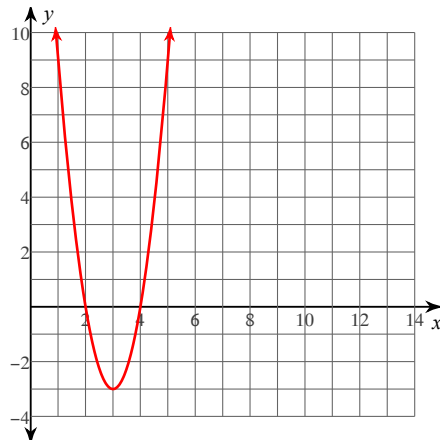
2) $y = 2x^2 + 8x + 5$



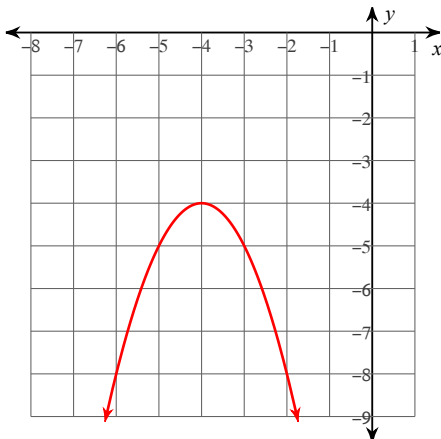
3) $y = -x^2 - 8x - 14$



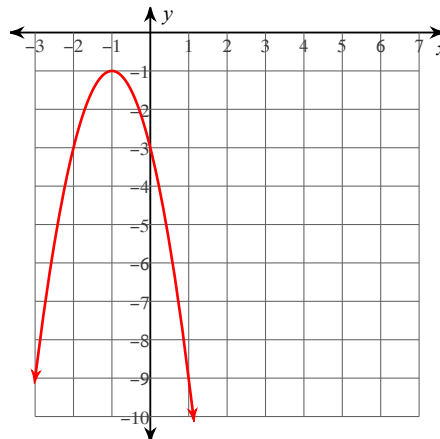
4) $y = 3x^2 - 18x + 24$



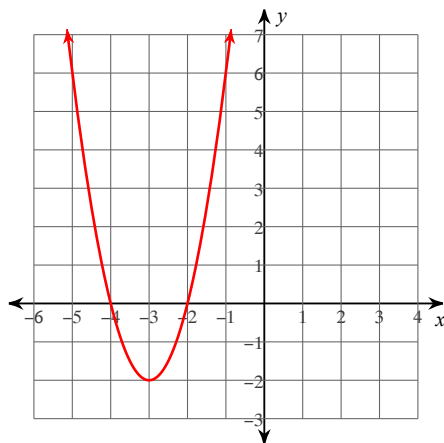
5) $y = -x^2 - 8x - 20$



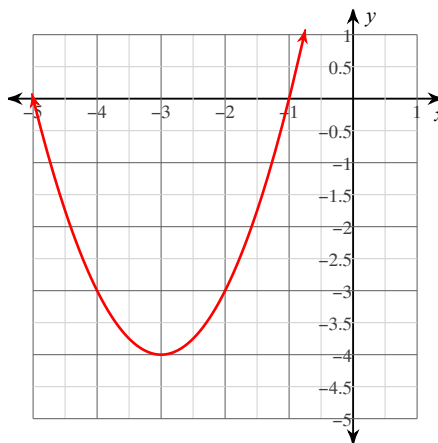
6) $y = -2x^2 - 4x - 3$



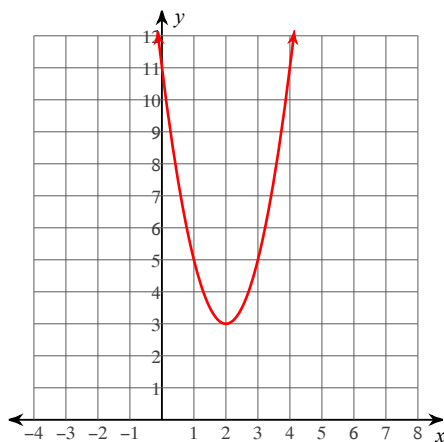
7) $y = 2x^2 + 12x + 16$



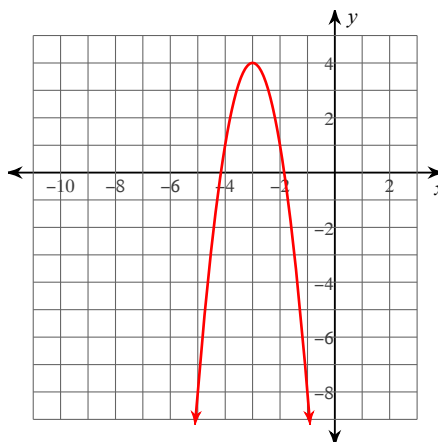
8) $y = x^2 + 6x + 5$



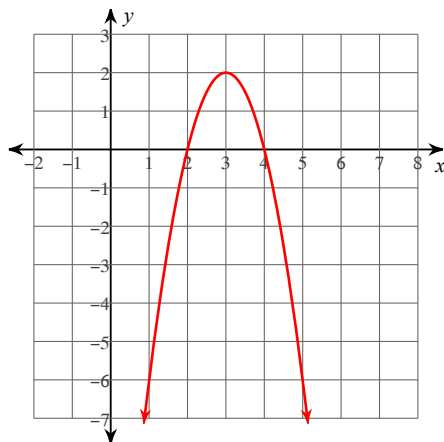
9) $y = 2x^2 - 8x + 11$



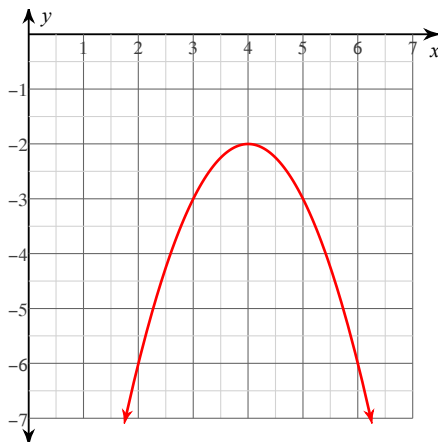
10) $y = -3x^2 - 18x - 23$



11) $y = -2x^2 + 12x - 16$



12) $y = -x^2 + 8x - 18$



	Vertex	AOS	y-intercept	Max /min & value	Direction of opening	Domain	Range
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							