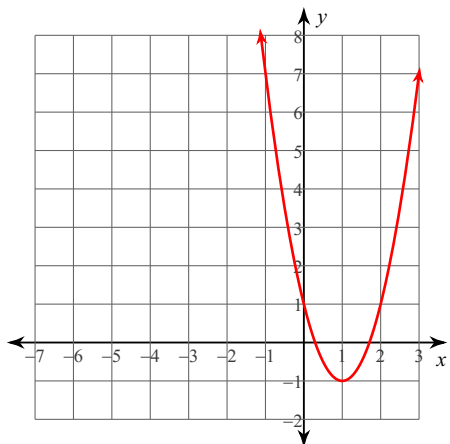


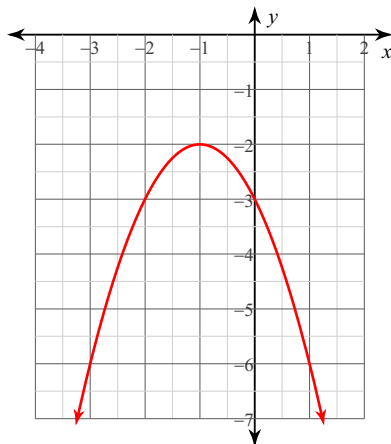
Graphing Quadratics WS

For each function, a) determine if the graph opens up or down, b) find the vertex, c) find the y-intercept, d) find the maximum or minimum value, e) identify the domain and range, and f) graph the function.

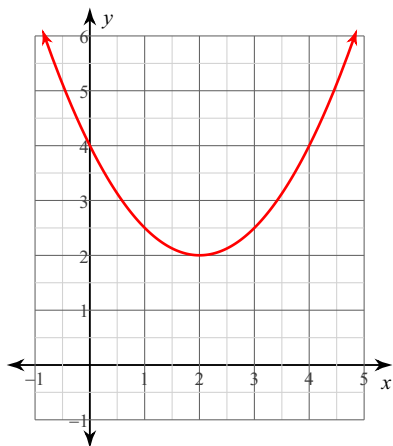
1) $y = 2x^2 - 4x + 1$



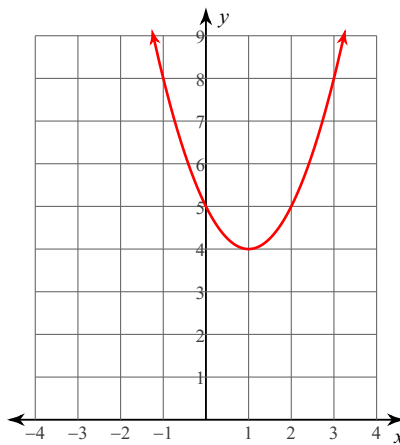
2) $y = -x^2 - 2x - 3$



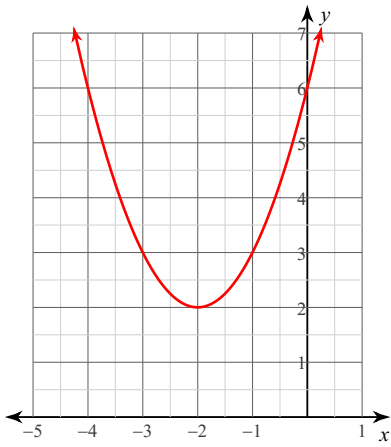
3) $y = \frac{1}{2}x^2 - 2x + 4$



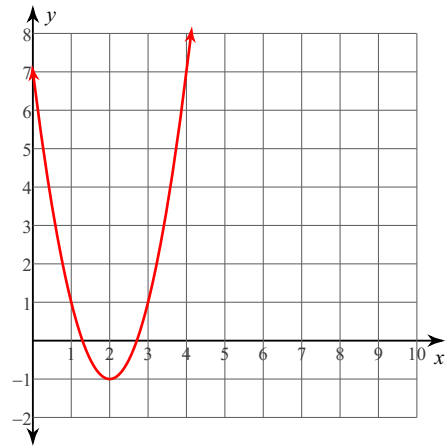
4) $y = x^2 - 2x + 5$



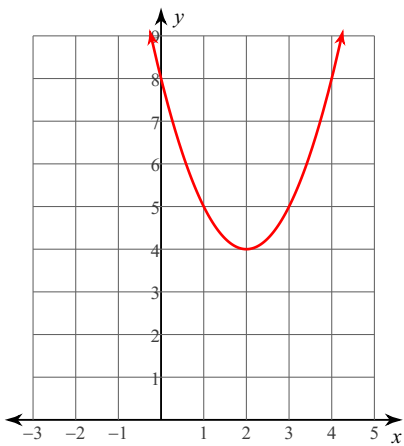
5) $y = x^2 + 4x + 6$



6) $y = 2x^2 - 8x + 7$



7) $y = x^2 - 4x + 8$



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

