Correct. In a quadratic function, there as restrict the domain. Therefore, the domain of the function will open downward. Graand will determine the range. The range	re no variables in a denominator or ain is all real numbers. Because the aph the function to find the vertex, (e is $f(x) \le 12$.	radical expressions, so nothing will e coefficient of χ^2 is negative, the graph -3 , 12). The y -value is the maximum