1. Find the equation of the line through the points \((-1, 2)\) and \((2, -7)\). Express your answer in slope-intercept form.

2. For this question \(f\) is the quadratic function \(f(x) = 2x^2 - 8x + 3\).
   
   (a) Does the graph of \(y = f(x)\) open upward or downward?
   
   (b) Does \(f(x)\) have a maximum or minimum?
   
   (c) Find the vertex of the parabola \(y = 2x^2 - 8x + 3\).
   
   (d) Express the range of the function \(f(x)\) in interval notation.