1. Find the vertical and horizontal intercepts for the function \( f(x) = 3(x + 1)(x - 4)(x + 5) \).

2. Find the vertex, \( x \)-intercept(s) and \( y \)-intercept of the quadratic function \( h(x) = x^2 - 3x + 1 \).

3. Write an equation for the polynomial which has a Degree of 5, a single zero at \( x = -2 \) and \( x = 3 \), a triple zero at \( x = 1 \) and which passes through the point \( (2, 4) \).