Determine the order of each differential equation, and whether or not the given functions are solutions of that equation on some interval of x values.

1. (y’)^2 = 4y; Y1 = X2, Y2 = 2X2 , Y3 = e-x
2. Y” +9y =0; Y1 = 4sin3X, Y2 = 6sin(3X+2)