x = [1 2 4];

y=[5 10 30];

Y=log(y);

p=polyfit(x,Y,1);

b =p(1);

a = exp(p(2));

X = min(x):1:max(x)

Y=a\*exp(b\*X);

plot(x,y,"\*")

hold on

plot(X,Y)

xlabel('X-axis');

ylabel('y-axis');

title('expo');

legend('show');

hold off