Exercise on function handles

1. Use the function h_v to plot the enthalpy as a function of temperature in the interval 250 to 286 C for 70 Bars (7e6 Pa). Note that h_v require Pascal and K as input, 0 C = 273.15 K!
2. Write a Newton-Raphson to solve for temperature if the enthalpy is 1200 kJ/kg.
   Hint:

$$f(x) = f(x_0) + f'(x_0)(x - x_0)$$
$$f(x) = 0 \quad \rightarrow$$
$$x = x_0 - \frac{f(x_0)}{f'(x_0)}$$

   Use finite differences to calculate the derivative:

$$f'(x) \approx (f(x + h) - f(x))/h$$

   Also, to make it easier, define f=@(x) h_v(x,7e6)-1200;

3. Use fzero to solve the same problem as in 2.