Provide a clear and organized presentation. Show all of your work and completely simplify your answer.

1.   Clearly sketch the graph of $y = f(x)$ if $f(x) = \begin{cases} 3 - 2x & \text{if } x < -1 \\ x^2 & \text{if } x \geq -1 \end{cases}$

2.   The value, $f(x)$ measured in dollars, of a particular painting from a local painter is given by $f(x) = 58.35x + 756.47$ where x is the age of the painting measured in years.

   i)   Identify the slope and give a meaningful interpretation of it.

   ii)   Determine the y-coordinate of the y-intercepts and give a meaningful interpretation of it.