## Deration 1:

Gradient of 
$$x=2$$
,  $\Rightarrow 6\times2=12$ 

$$\Delta T = -0.0012$$
  $\Delta y = -0.001X - 0.67667$   
= -0.012 = 6.7667 XIO<sup>4</sup>

## Revotion 2:

Gradient at 
$$x = 1.988 \Rightarrow 1.988 \times 2 = 11.928$$

Gradient at 
$$y = 2.600676 \Rightarrow 0.676219$$

adjent at 
$$9 = 2.0000$$
  
 $\Delta x = -0.001 \times 11.928$   $\Delta y = -0.001 \times 0.676219$   
 $= 6.76219 \times 10^{9}$   
 $= 6.76219 \times 10^{9}$