

① 9th Math Day - JTI TSB 22029

$$y = 1.384x + 218.255$$

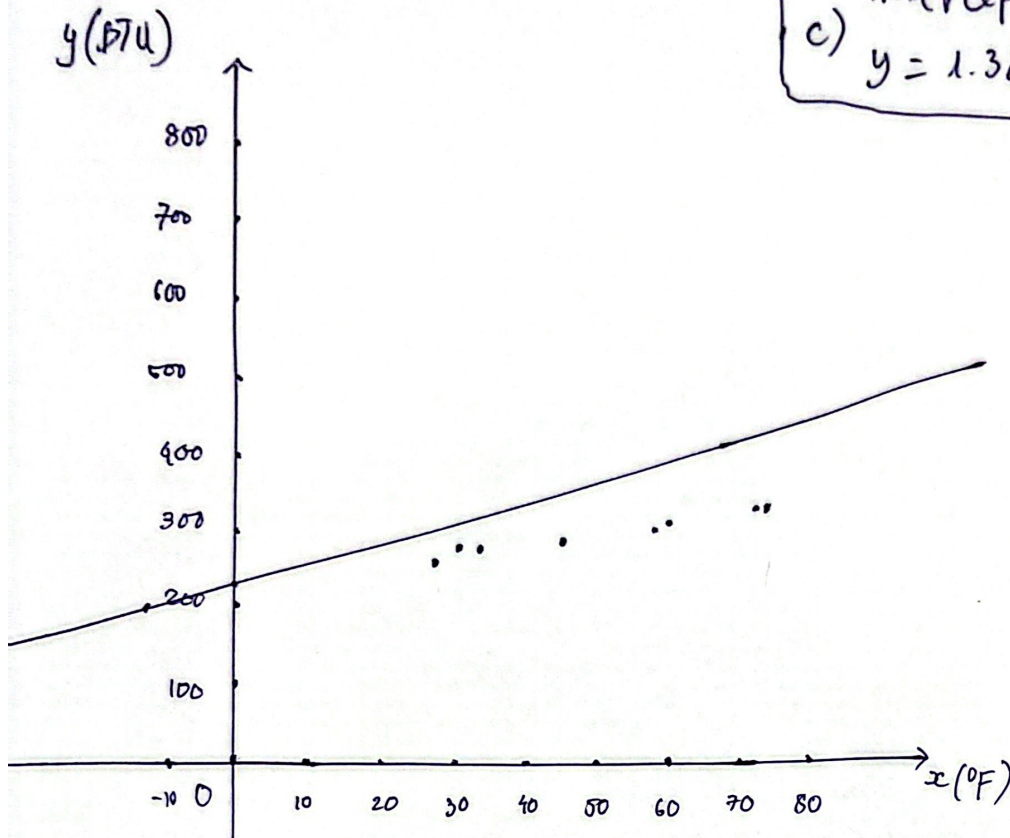
b) - The slope = 1.384

- intercept = 218.255

c)  $y = 1.384 \times 65 + 218.255 = 306.215$

we have  $x = 0 \rightarrow y = 218.255$

$y = \frac{0}{200} \rightarrow x = \frac{-157.699}{-13.19}$



② a)  $y = -6.324x + 153.175$

b)  $y = -6.324 \times 4.8 + 153.175 = 122.8198$

③ a)  $y = 6.46 \times 10^{-3}x + 0.61$

e)  $R = 0.877$

$\Rightarrow R^2 = 0.769$

b)  $6.46 \times 10^{-3} \pm 1.96$  (slope)

$0.01 \pm \frac{1.96}{\cancel{1.96}} \pm 1.96$  (intercept)