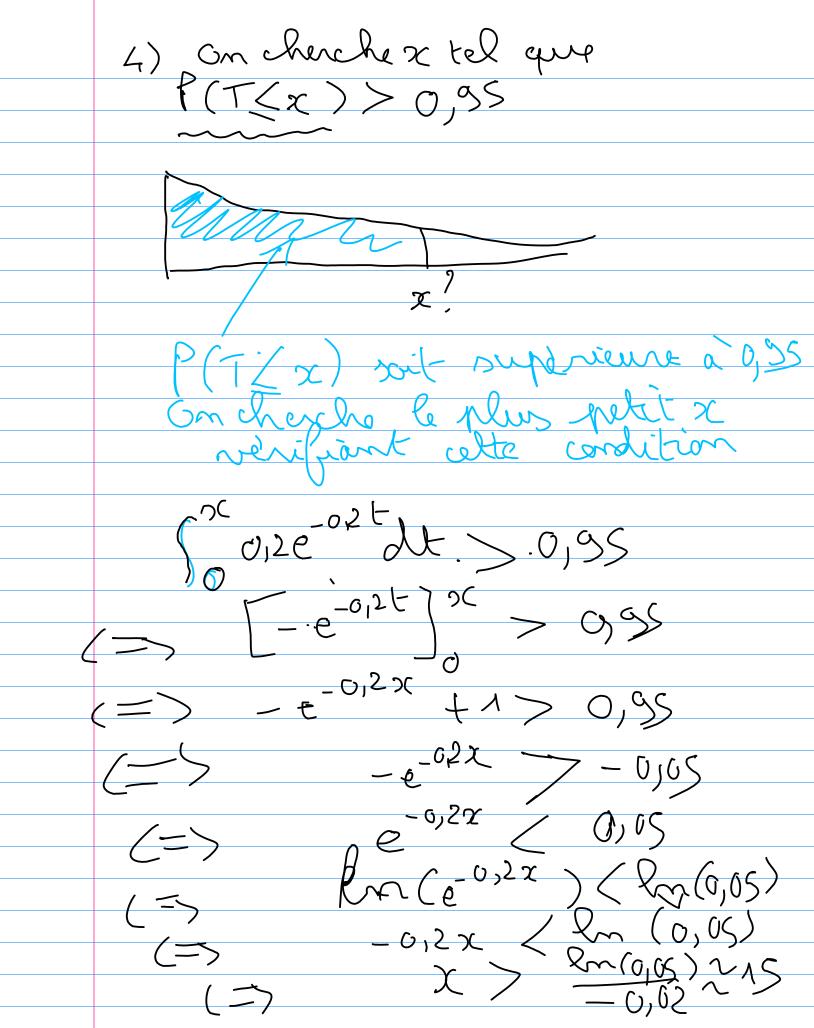
Activité d'introduction Lois à densité

1) et 2)
$$P(0 \le T \le 3) = P(x) dx$$

3) "Au mains 5 minutes = \$\frac{1}{5}\\
P(\frac{1}{5}) = \limbox{\text{ton}} \frac{1}{5}\\
\frac{1}{5} \frac{1}{5} \frac{1}{5} \frac{1}{5}\\
\frac{1}{5} \fr On passe plutôt au complèmente P(T>5) = 1 - P(T<5)= $1 - C_{0,2e}^{-0,2t}$ = $1 - C_{0,2e}^{-0,2t}$ = $1 - C_{0,2e}^{-0,2t}$ $= 1 - (-6^{-0.2 \times 5} + 1)$ $= 1 - (-6^{-0.2 \times 5} + 1)$ $= 6^{-0.2 \times 5} - 1$ The four tendre severs the limit of the tendre severs the series of the tendre severs the series to done limit of the tendre sent work the series to done limit of the tendre sent work to sent work the sent work to sent when the sent work the sent



$$P(T>a) = 1 - \begin{cases} 0.2e^{-0.2t} \\ -0.2e^{-0.2t} \\ 0 \end{cases}$$

$$= 1 - [-e^{-0.2t}] \\ P(T>a) = 1 - [-e^{-0.2t}] \\ P(T>a) = e^{-0.2t} \\ P(T>8+5) = 0.2(8+5)$$

$$= [-0.2\times8] \\ -0.2\times8 \\ -0.2\times8$$

2(+) >5

Exercice 3 Fiche Calcul Internal = ln (96) - ln (10) $=2n(\frac{90}{10})-4n(9)$ $=2m(3^2)=28m(3)$ 2) himitive cla: f(x) = 1 e(x) de la forma $f(x) \times f(x)$ e(x) = 1 e(x) = 1 e(x)3) Valeur moyenne de de fran [10; 000]. $\frac{1}{5-a} = \frac{1}{30-10} = \frac{1}{30} = \frac{1}$

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