**M008 – A (Exercício 7 – CAP.3)**

**(a)**

**(b)**

**(c)**

∞ ∞

1 1

**(d)**

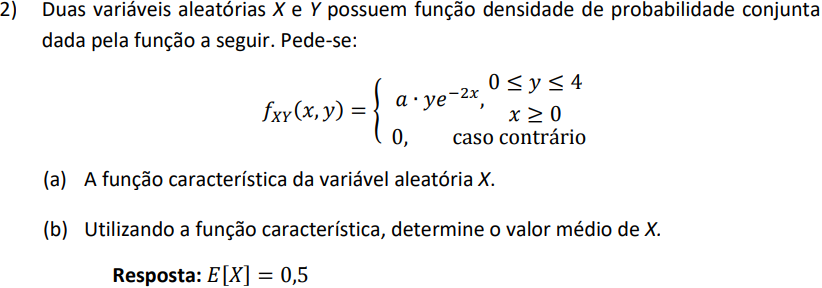
∞ ∞

1 1

*σ*Y2

*σ*Y2

*σ*Y



**(a)**

4

0

∞

0

4

0

*\*Não consegui calcular essa integral. Peguei o resultado no symbolab pra dar sequência no exercício.*

**(b)**

w = 0

w = 0

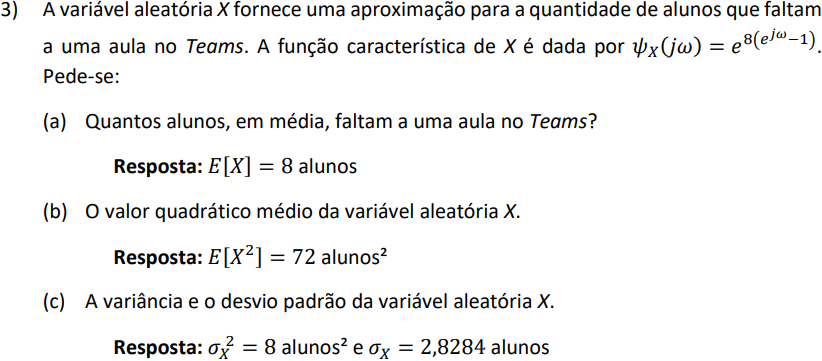
w = 0 *e aplicando a regra da cadeia*

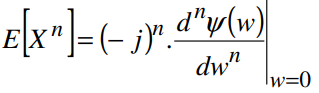
w = 0

w = 0

w = 0

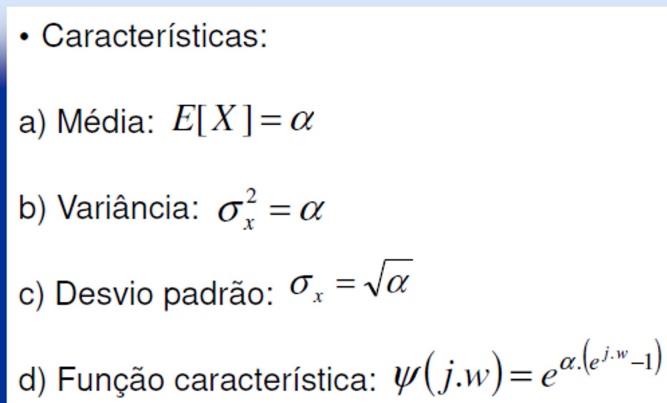
w = 0



**(a)**

w = 0

*\*Não consegui resolver o exercício dessa maneira.*



**(a)**

**(b)**

**(c)**