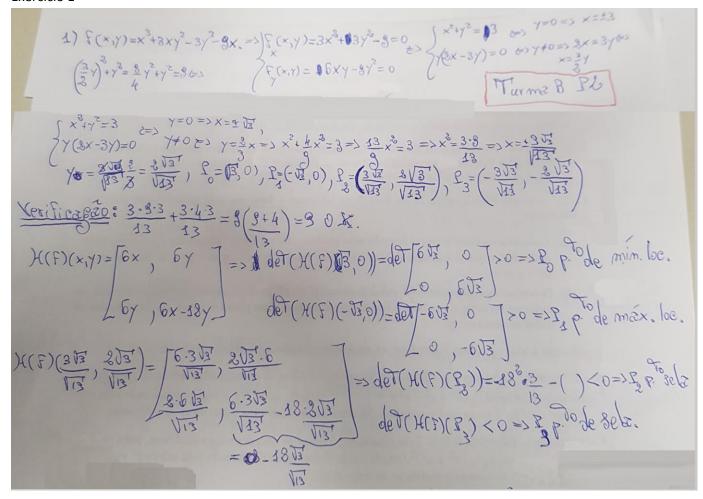
P2 FVV

Exercício 1

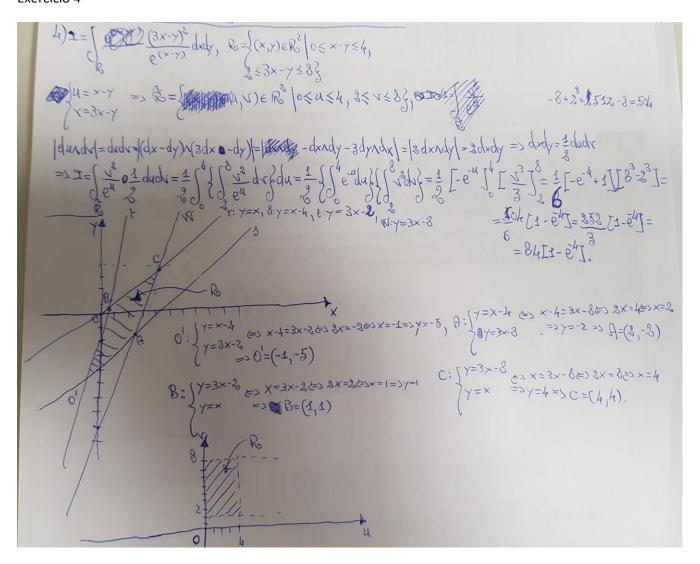


Exercício 2

Exercício 3

3)
$$F(x,y,z) = x + 2y + 2$$
, $x^2 + y^2 + 2^2 = 16$. $\Rightarrow \lambda(x,y,z,\lambda) = x + 2y + 2 - \lambda(x^2 + y^2 + 2^2) - 16$ $\Rightarrow \lambda(x,y,z,\lambda) = 1 - 2\lambda x = 0$, $\lambda = 0 \Rightarrow \lambda(x,y,z,\lambda) = 0$, $\lambda \neq 0 \Rightarrow \lambda(x,y,z,\lambda) = 2 - 3\lambda y = 0$, $\lambda \neq 0 \Rightarrow \lambda(x,y,z,\lambda) = 2 - 3\lambda y = 0$, $\lambda \neq 0 \Rightarrow \lambda(x,y,z,\lambda) = 2 - 3\lambda y = 0$, $\lambda \neq 0 \Rightarrow \lambda(x,y,z,\lambda) = 2 - 3\lambda y = 0$, $\lambda \neq 0 \Rightarrow \lambda(x,y,z,\lambda) = 1 - 2\lambda x \neq 0$, $\lambda \neq 0 \Rightarrow \lambda(x,y,z,\lambda) = 1 - 2\lambda x \neq 0$, $\lambda \neq 0 \Rightarrow \lambda(x,y,z,\lambda) = 1 - 2\lambda x \neq 0$, $\lambda \neq 0 \Rightarrow \lambda(x,y,z,\lambda) = 1 - 2\lambda x \neq 0$, $\lambda \neq 0 \Rightarrow \lambda(x,y,z,\lambda) = \lambda(x,y,z,\lambda) = 0 \Rightarrow \lambda(x,y,z,\lambda) = \lambda(x,y,z,\lambda)$

Exercício 4



Exercício 5

$$\begin{array}{lll}
5) & = (x^{2}+y^{2}+3^{2}) e^{3(x^{2}+y^{2}+3)} e^{3(x^{2}+y^{$$

Exercício 6