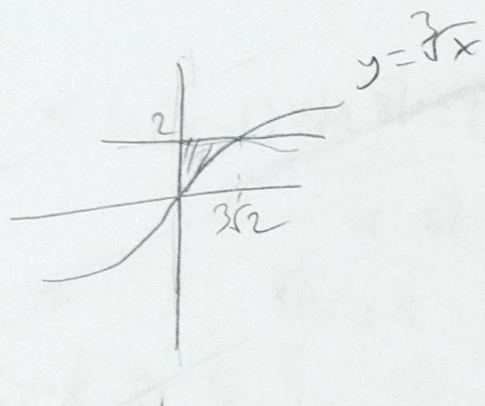


4)



$$f(x,y) = \frac{1}{1+y^4}, \quad I = [0, 3\sqrt{2}] \times [0, 2]$$

$$\Rightarrow \int_0^{3\sqrt{2}} \int_0^2 \frac{1}{1+y^4} dy dx = \int_0^2 \left(\int_0^{3\sqrt{2}} \frac{1}{y^4+1} dx \right) dy$$

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