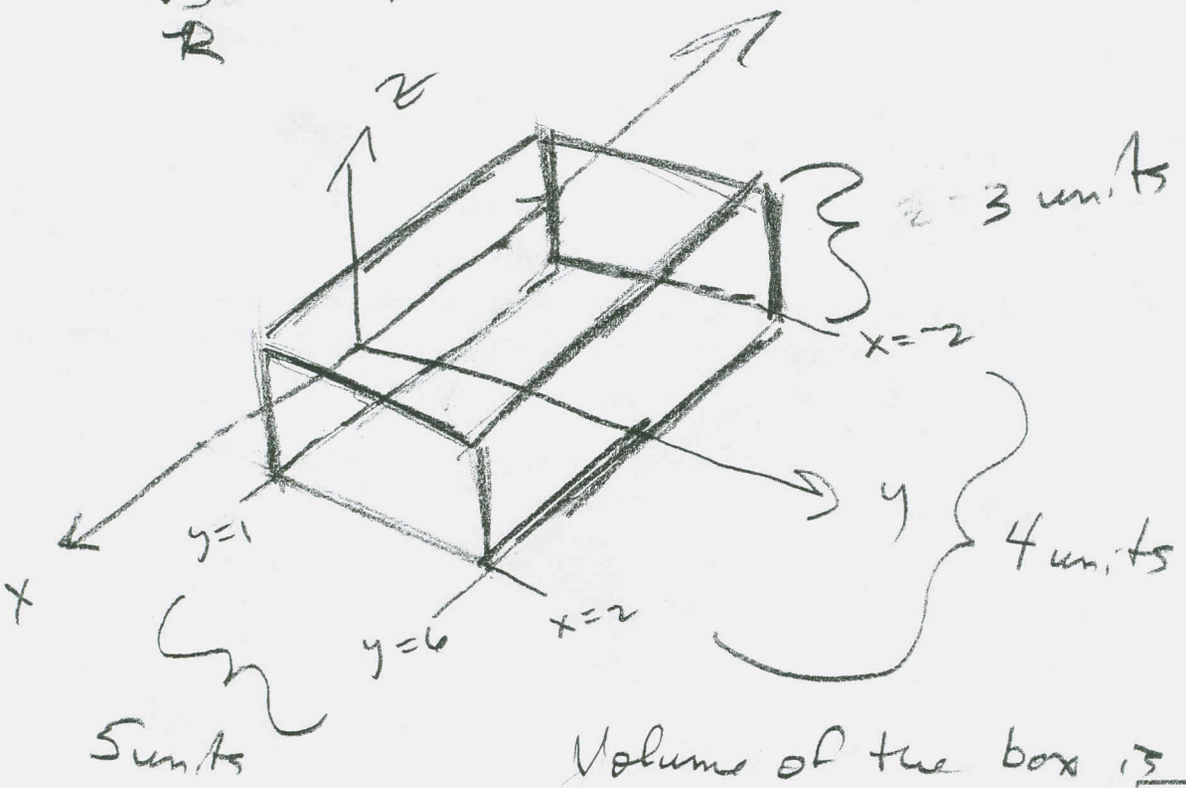
203 § 16.1 #11 Emata

#11 Evaluate the double integral by 1st identifying it as the volume of a solid

$$\iint_R 3\,dA, \text{ where } R=\{(x,y) \mid x\in[-2,2], y\in[1,6]\}$$



Volume of the box is

l. w. h = 5 · 4 · 3 = 60 units