CORTO #11 - DAVID CORZO

1)
$$\int_{0}^{1} \int_{0}^{2} 5x (y + x^{2})^{4} dy dx$$

$$S_{x} \int_{0}^{2} (y + x^{2})^{4} dy = S_{x} \int u^{4} dy = \frac{S_{x}}{S_{x}} u^{5} = u^{2} \int_{0}^{2} u^{4} dy = \frac{S_{x}}{S_{x}} u^{4} dy = \frac{S_{x}}{S_{x}} u^{5} = u^{4} \int_{0}^{2} u^{4} dy = \frac{S_{x}}{S_{x}} u^{5} = u^{4} \int_{0}^{2} u^{4} dy = \frac{S_{x}}{S_{x}} u^{4} dy = \frac{S_{x}}{S_{x}} u^{4} dy = \frac{S_{x}}{S_{x}} u^{5} = u^{4} \int_{0}^{2} u^{4} dy = \frac{S_{x}}{S_{x}} u^{4$$

$$\frac{665}{12} - \frac{1}{4} = \frac{331}{6}$$