

$$=\int_{0}^{2}(2xy+y)|_{y=0}^{y=u}dx = \int_{0}^{2}(8x+u)dx$$

$$=(4x^{2}+4x)|_{x=0}^{x=1}$$

$$=(4x^{2}+4x)|_{x=0}^{x=2}$$

$$=$$













