



$$F(x) = \int_{0}^{1} x^{2}x = \left(\frac{2}{3}x^{2}\right)^{3} = \frac{2}{5}$$

$$V(x) = \left(\frac{1}{3}x^{2}x\right) - \frac{4}{9} = \frac{1}{2} - \frac{4}{9} = \frac{1}{18}$$

$$V(x) = \left(\frac{1}{3}x^{2}x\right) - \frac{4}{9} = \frac{1}{2} - \frac{4}{9} = \frac{1}{18}$$

$$V(x) = \left(\frac{4}{3}x^{2}x\right) - \frac{4}{9} = \frac{1}{2} - \frac{4}{9} = \frac{1}{18}$$

$$V(x) = \left(\frac{4}{3}x^{2}x\right) - \frac{4}{1900} = \left(\frac{2}{3}x^{2}\right) = \left(\frac{2}{3}x^{$$