$$\int_{0}^{1/2} \left(3 \times ^{2} - \frac{3}{4} \times \right) d\chi$$

$$\int_{0}^{1/2} \left(3 \times ^{2} - \frac{3}{4} \times \right) d\chi$$

$$= \left(\times ^{3} - \frac{3}{8} \times \right) \left| \frac{1}{4} \times \right|$$

$$= \int_{0}^{1/2} 0$$