$$E_{x \sim 0E-1,1}[(c+x)^{2}] = c^{2} + 2c \cdot E_{x \sim 0E-1,1}[x] + E_{x \sim 0E-1,1}[x^{2}] = c^{2} + 2c \cdot 0 + \frac{1}{2} \int_{-1}^{1} x^{2} dx = c^{2} + \frac{1}{3}$$

$$= c^{2} + 2c \cdot 0 + \frac{1}{2} \int_{-1}^{1} x^{2} dx = c^{2} + \frac{1}{3}$$

$$= c^{2} + 2c \cdot 0 + \frac{1}{2} \int_{-1}^{1} x^{2} dx = c^{2} + \frac{1}{3}$$