8b

$$\longrightarrow 2\int_0^b e^{-x}\,dx = -2e^{-x}\Big|_0^b$$

$$\Longrightarrow \langle L_0, L_2\rangle = \lim_{b\to\infty}\Big[-e^{-x}\Big|_0^b + 2\Big[-xe^{-x}\Big|_0^b - e^{-x}\Big|_0^b\Big] + \cdots$$

$$\cdots - 4\Big[-xe^{-x}\Big|_0^b - e^{-x}\Big|_0^b\Big] + \cdots$$

$$\cdots - 2\,e^{-x}\Big|_0^b\Big] = 0$$

$$\langle L_0, L_2\rangle = \lim_{b\to\infty}\Big[-\big[e^{-b} - e^{0}\big] - 2\big[be^{-b} - 0\big] + 4\Big[\big(be^{-b} - 0\big) + \big(e^{-b} - e^{0}\big)\Big] + \cdots$$

$$\cdots - 2\big[e^{-b} - e^{0}\big]\Big] = 0$$

$$= \lim_{b\to\infty}$$

29th Annie, 1:00 PM

WKND GMS CHOICE WATCH 4 CLAIMS (MED)