$$3 \int_{0}^{\infty} t^{\frac{3}{2}} e^{-t} dt$$

$$= 3 \int_{0}^{\infty} t^{\frac{3}{2}} - 1 \cdot e^{-t} dt = 3 \int_{0}^{\infty} \sqrt{1 + \frac{3}{2}} \times \frac{3}{2} \times \frac{3}{$$

$$|x| = \frac{1}{2} \int_{0}^{2\pi} \frac{dy}{dy} = \frac{1}{2} \int_{0}^{2\pi} \frac{dy}{dt}$$

$$= \int_{0}^{2\pi} \frac{dy}{dt} = \frac{1}{2} \int_{0}^{2\pi} \frac{dt}{t} = \frac{1}{2} \int_{0}^{2\pi} \frac{dt}{t} = \frac{1}{2} \int_{0}^{2\pi} \frac{dy}{t} = \frac$$

$$= \frac{1}{3} \int_{1/2}^{\infty} e^{-t} \cdot t/2 - 1 dt$$

$$= \frac{1}{3} \int_{1/2}^{1/2} = \frac{1}{3} \int_{1/2}^{1/2} = \frac{\sqrt{17}}{3}$$

 $\begin{array}{lll}
\text{OT} & \int_{-2}^{\infty} 2^{-2/3} & e^{-3\sqrt{3}n} & dn \\
3\sqrt{n} & = t \\
3\sqrt{n} & = t \\
dn & = 3t^2 \cdot dt \\
= \int_{-2}^{\infty} \frac{1}{n} e^{-t} & \left(3t^2 dt\right) \\
= 3\int_{-2}^{\infty} t^4 e^{-t} & dt \\
= 3\int_{-2}^{\infty} t^4 & e^{-t} & dt
\end{array}$