Problem 1
$$\int_{0}^{\infty} \vec{r} \times d\vec{r}, \quad \vec{r} = 9 \hat{n} + x \hat{n} \quad (c, 9, 0) \quad (3, 9, 0) = 9 = \frac{x^{3}}{3}, \quad z = 0$$
Sca $x = t$

$$\Rightarrow y = \frac{t^{3}}{3}, \quad z = 0$$

$$x = x \hat{n} + y \hat{n} + z \hat{n} \quad v = t \hat{n} + t \hat{n}$$

= 1-87