

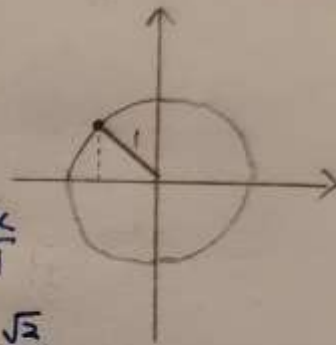
$$(1) \frac{3}{8} \text{ 圓周} = \frac{3}{8} \times 360^\circ$$

$$= 135^\circ$$

$$\sin 45^\circ = \frac{y}{1} \quad \bullet \quad \cos 45^\circ = \frac{-x}{1}$$

$$y = \frac{\sqrt{2}}{2}$$

$$x = -\frac{\sqrt{2}}{2}$$



$$\therefore \vec{r} = -\frac{\sqrt{2}}{2} \vec{i} + \frac{\sqrt{2}}{2} \vec{j}$$