$\delta \downarrow V_r$

$\xrightarrow{\hspace{2cm}}$
V_t
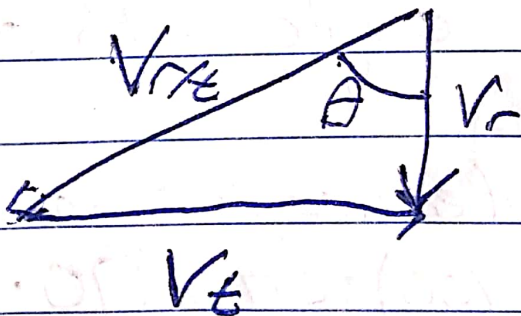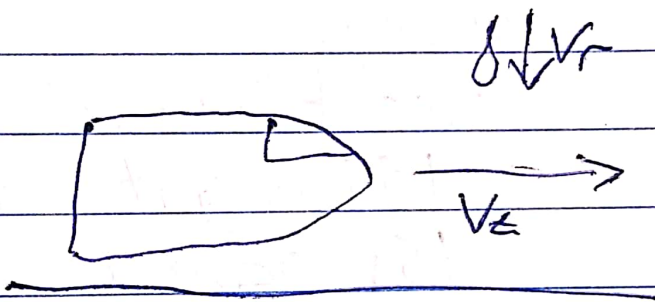
$$\vec{V}_{r/t} = \vec{V}_r - \vec{V}_t$$

$$V_{r/t} = \sqrt{V_r^2 + V_t^2}$$

$$\theta = \tan^{-1}\left(\frac{V_t}{V_r}\right)$$

$V_{r/t}$ θ V_r

V_t