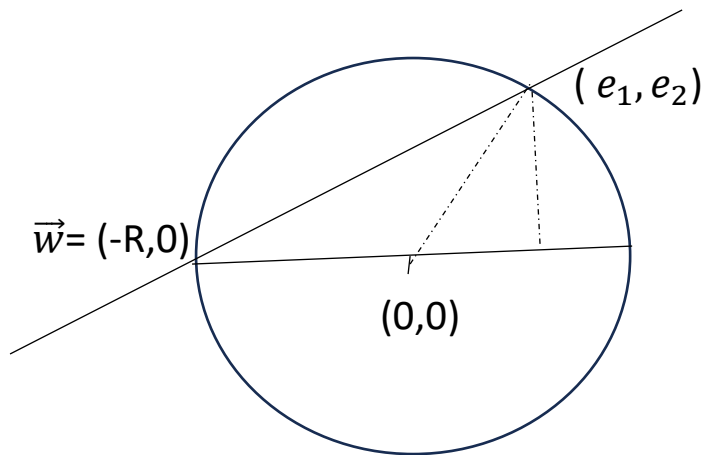


Line secant to a circle II:



Director vector of the secant : $\vec{v} = (e_1, e_2) - (-R, 0) = (e_1 + R, e_2)$

Equation of the line: $(x, y) = t \cdot \vec{v} + \vec{w}$

where $\vec{w}$ is any point on the secant line .

$x = t \cdot e_1 + (-R)$ and $y = t \cdot e_2 + 0$

the equation of the secant will be : $t = \frac{x - (-R)}{e_1} = \frac{y - (0)}{e_2} \rightarrow$

$\rightarrow (x+R) \cdot e_2 = y \cdot e_1 \rightarrow y = \frac{(x+R) \cdot e_2}{e_1} \rightarrow y = \frac{e_2}{e_1}x + R \cdot e_2$