

$$|V| \quad V = \sqrt{V_x^2 + V_y^2} = \sqrt{40^2 + 30^2} = 50$$

$$\underline{n} = \frac{\underline{V}}{V} = \frac{40\underline{i} - 30\underline{j}}{50} = \underline{0.8\underline{i} - 0.6\underline{j}}$$

$$\cos \theta_x = 0.8, \quad \underline{\theta_x = 36.9^\circ}$$

$$\cos \theta_y = -0.6, \quad \underline{\theta_y = 126.9^\circ}$$

