$$V = \sqrt{V_x^2 + V_y^2} = \sqrt{36^2 + 15^2} = 39$$

$$\cos \Theta_x = \frac{V_x}{V} = \frac{-36}{39}, \quad \underline{\Theta_x = 157.4°}$$

$$\cos \Theta_y = \frac{V_y}{V} = \frac{15}{39}, \quad \underline{\Theta_y = 67.4°}$$

$$\underline{n} = \frac{\underline{V}}{V} = \frac{-36\underline{i} + 15\underline{j}}{39} = \underline{-0.923\underline{i} + 0.385\underline{j}}$$