Answer on Question #47029 – Math – Vector Calculus

Represent the given velocity 230km/h in the direction 200degree= ___ km

5

4

7

2

Solution.

$$v_x = vsin\alpha = 230sin200^0 \approx -78.66\ \frac{km}{h}$$

$$v_y = vcos\alpha = 230cos200^0 \approx -216.13\ \frac{km}{h}$$