

$$\frac{300}{\sin x} = \frac{153}{\sin 10}$$

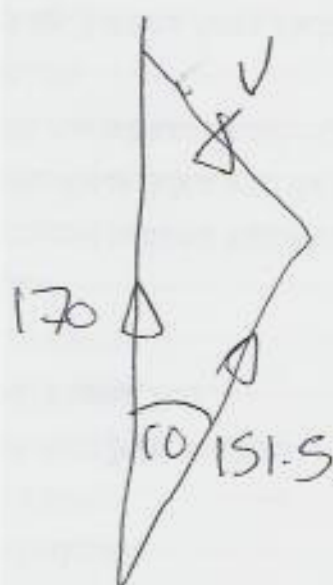
$$\sin x = \frac{300 \times \sin 10}{153} = 0.3405$$

$$x = 180 - 19.9^\circ = 160.1^\circ$$

$$y = 180 - 10 - 160.1 = 9.9^\circ$$

$$\frac{300}{\sin x} = \frac{P}{\sin y}$$

$$P = \frac{300 \sin y}{\sin x} = \frac{300 \times 0.1719}{0.3405} = 151.5$$



wind speed $V^2 = 170^2 + 151.5^2 - 2 \times 170 \times 151.5 \times \cos 10$

$$V^2 = 7124 \Rightarrow V = 33.54$$