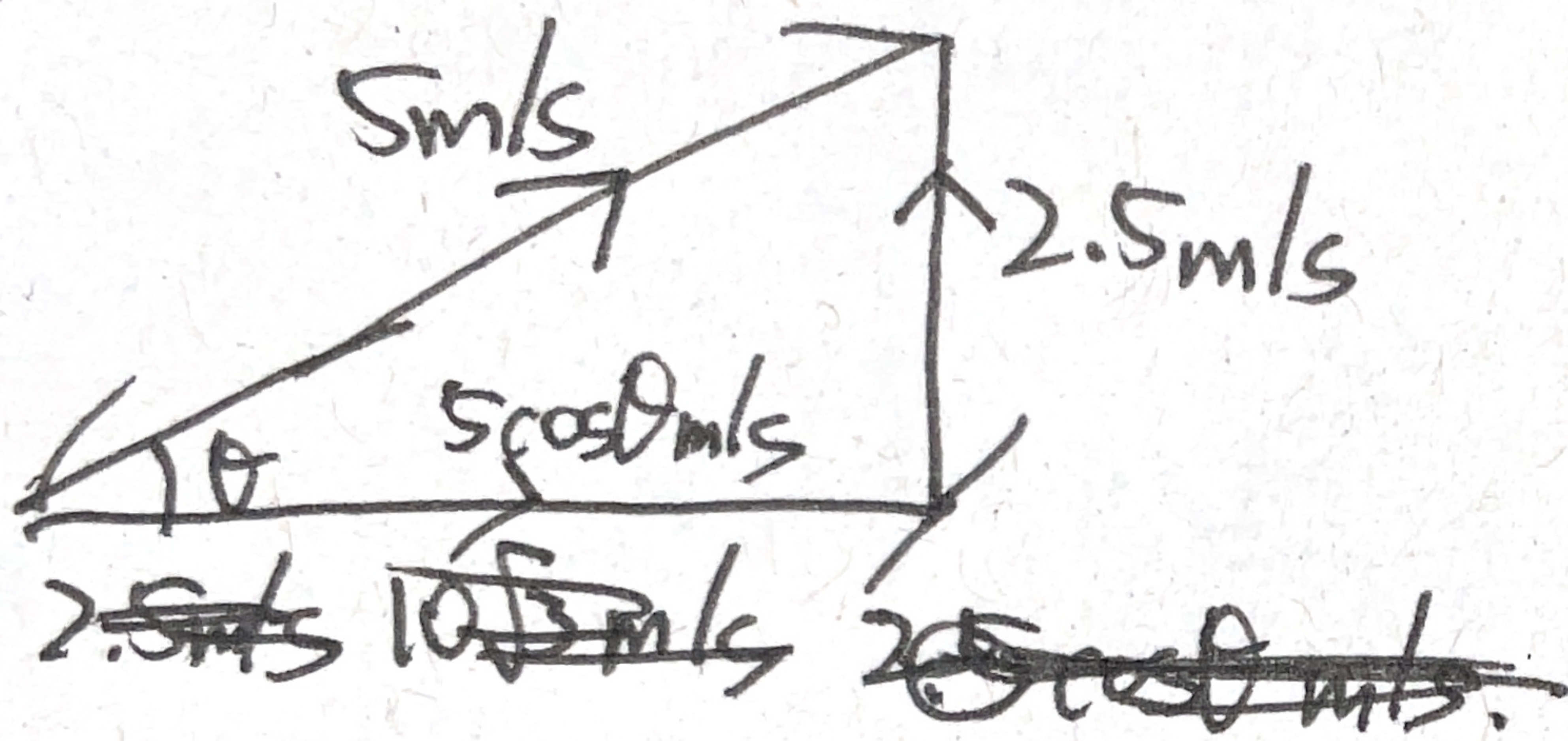
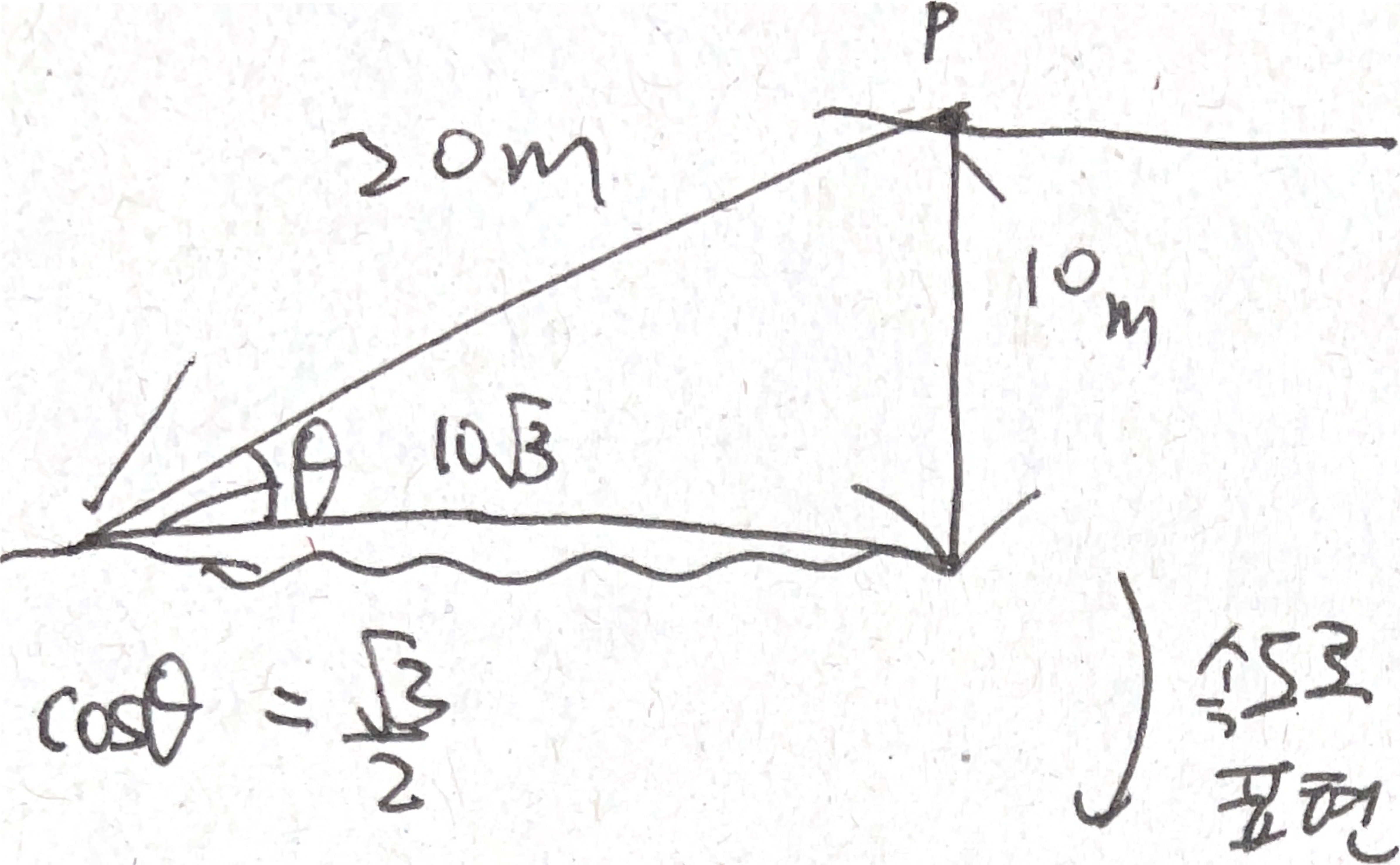




$\therefore$ $\text{Horizontal distance} = 2.5 \times \frac{\sqrt{3}}{2}$

$= 5 \cos \theta \text{ m/s}$

$= \frac{5\sqrt{3}}{2} \text{ m/s}$