

2. Race Car

- ① (2.5, 250)
- ② (5, 500)

$$\text{Speed} = \text{Slope} = \frac{y_2 - y_1}{x_2 - x_1}$$

$$= \frac{500 - 250}{5 - 2.5} = \frac{250}{2.5}$$

$$= \boxed{100 \text{ m/s}}$$

3. Horse

- ① (5, 100)
- ② (10, 195)

$$\text{Speed} = \text{Slope} = \frac{y_2 - y_1}{x_2 - x_1}$$

$$= \frac{195 - 100}{10 - 5} = \frac{95}{5}$$

$$= \boxed{19 \text{ m/s}}$$