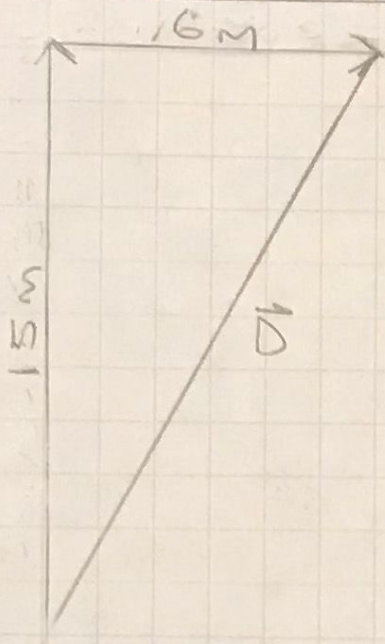


CORRESPONDENCE/NOTES



$$5 \text{ m/s} \times 3 \text{ s} = 15 \text{ m}$$

$$2 \text{ m/s} \times 3 \text{ s} = 6 \text{ m}$$

$$\vec{D} = \sqrt{15^2 + 6^2}$$

$$\vec{D} = \sqrt{225 + 36}$$

$$\vec{D} = \sqrt{261}$$

$$\vec{D} = 16.16 \text{ m}$$

$$s_{\text{avg}} = \frac{d}{t}$$

$$s_{\text{avg}} = \frac{21}{6}$$

$$s_{\text{avg}} = 3.5 \text{ m/s}$$

$$v_{\text{avg}} = \frac{\vec{D}}{t}$$

$$v_{\text{avg}} = \frac{16.16}{6}$$

$$v_{\text{avg}} = 2.69 \text{ m/s}$$