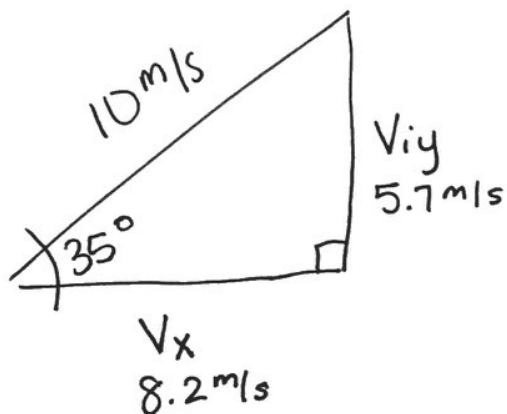


More right triangle practice Answers

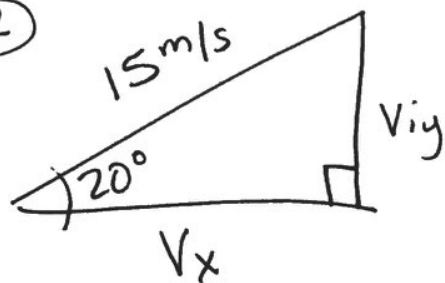
Find V_x & V_{iy} for each triangle.

①



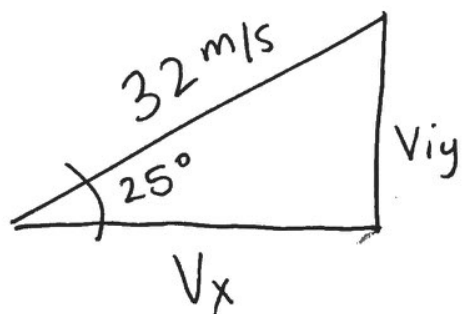
$$V_x = V_i \cos \theta$$
$$V_x = 10 \cos 35 = 8.2 \text{ m/s}$$
$$V_{iy} = V_i \sin \theta$$
$$V_{iy} = 10 \sin 35 = 5.7 \text{ m/s}$$

②



$$V_x = V_i \cos \theta$$
$$V_x = 15 \cos 20 = 14.1 \text{ m/s}$$
$$V_{iy} = V_i \sin \theta$$
$$V_{iy} = 15 \sin 20 = 5.1 \text{ m/s}$$

③



$$V_x = V_i \cos \theta$$
$$V_x = 32 \cos 25 = 29 \text{ m/s}$$
$$V_{iy} = V_i \sin \theta$$
$$V_{iy} = 32 \sin 25 = 13.5 \text{ m/s}$$