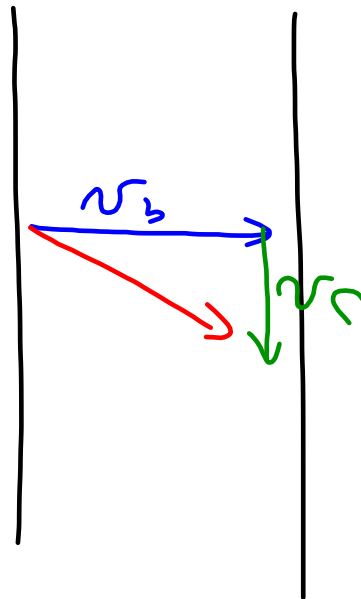
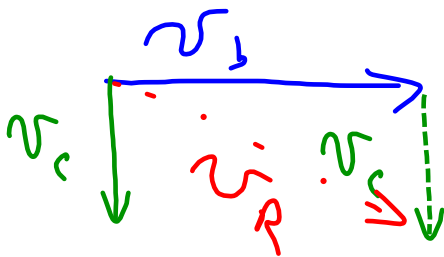


A boat traveling at 3.5 m/s heads across stream.
Where does the boat end up if the current is at 2.3 m/s ?

$$v_b = 3.5 \text{ m/s}$$

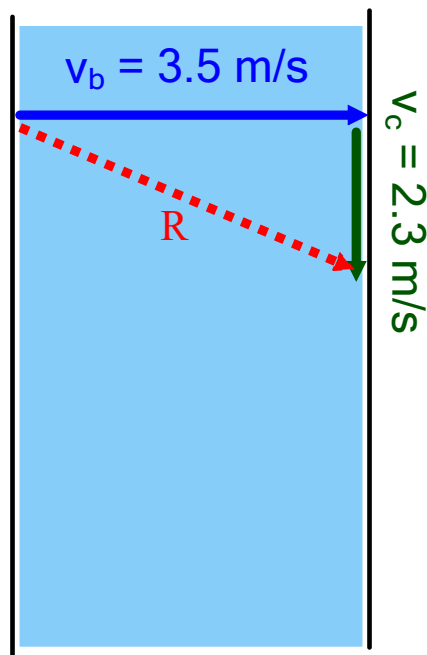
$$v_c = 2.3 \text{ m/s}$$



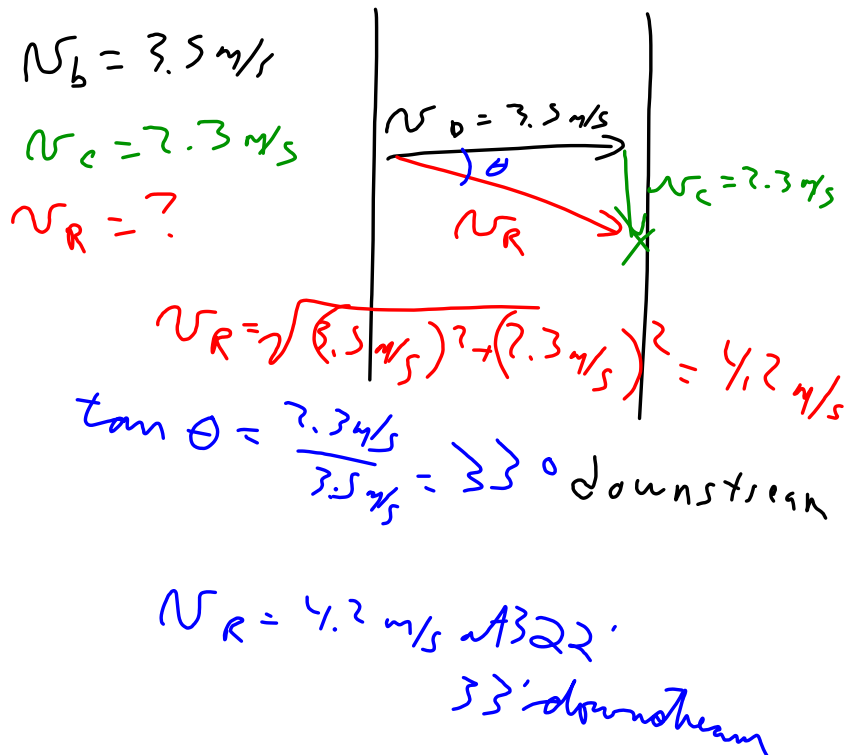
A boat traveling at 3.5 m/s heads across stream.
Where does the boat end up if the current is at 2.3 m/s ?

$$v_b = 3.5 \text{ m/s}$$

$$v_c = 2.3 \text{ m/s}$$



A boat traveling at 3.5 m/s heads across stream.
Where does the boat end up if the current is at 2.3 m/s?



A ball is kicked at 35 m/s at an angle of 25° with the horizontal. What are the horizontal and vertical components of the velocity?

A ball is kicked at 35 m/s at an angle of 25° with the horizontal. What are the horizontal and vertical components of the velocity?

$$V_b = 35 \text{ m/s at } 25^\circ \text{ ground}$$

$$V_x = ?$$

$$V_y = ?$$

