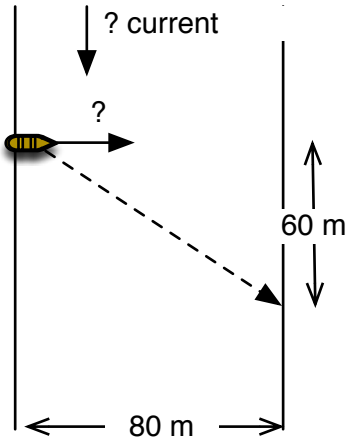


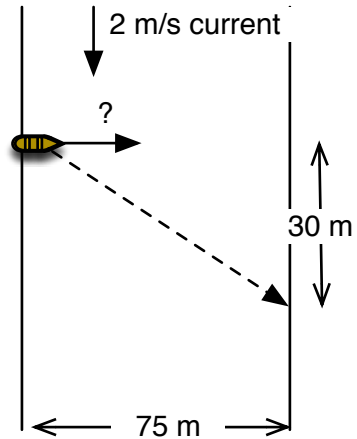
## Cycle 17 2D Motion

### 3. Rivers



The motorboat is pointed straight across the river and crosses it in 20 seconds...

- (a) What is the velocity of the current?
- (b) What is the velocity of the motorboat's engine?

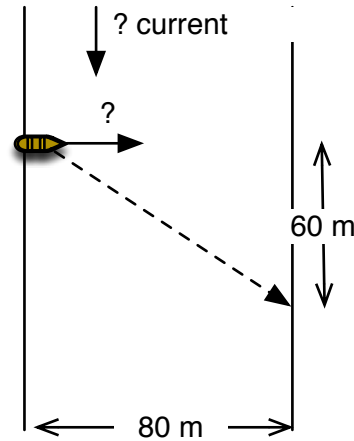


The motorboat is pointed straight across the river. The 2 m/s current carries the motorboat 30 m downstream by the time it gets across.

- (a) How long did the crossing take?
- (b) What is the velocity of the motorboat's engine?

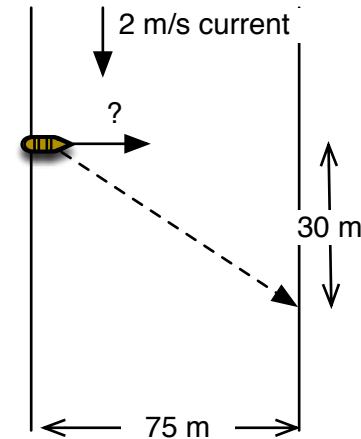
## Cycle 17 2D Motion

### 3. Rivers



The motorboat is pointed straight across the river and crosses it in 20 seconds...

- (a) What is the velocity of the current?
- (b) What is the velocity of the motorboat's engine?



The motorboat is pointed straight across the river. The 2 m/s current carries the motorboat 30 m downstream by the time it gets across.

- (a) How long did the crossing take?
- (b) What is the velocity of the motorboat's engine?