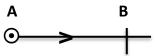
## PLOTTING DEAD RECKONING (DR) & ESTIMATED POSITION (EP)

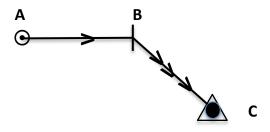
## **Dead Reckoning**



- 1. Plot Position. Mark Chart with ①
- 2. Plot Course Steered A to B
- 3.Mark off Distance Run (Speed) along A-B. B is your position according to Dead Reckoning (DR)

## **Estimated Position**

- 4. Establish Tidal Vector for time of plot.
- 5. Plot the Tidal Vector from B



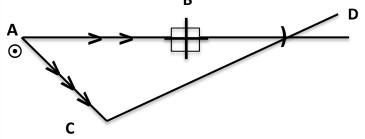
- 6. End of Tidal Vector C is Estimated Position (EP)
- 7. Course Over Ground (COG) is A to C (degrees T)
- 8. Speed Over Ground (SOG) is A to C (knots)

## **PLOTTING COURSE TO STEER (CTS)**

- 1. Plot Position A mark Chart with ①
- 2. Plot Waypoint WPT B



- 3. Establish Tidal Vector for time of plot.
- 4. Plot Tidal Vector from start position A to C



5. Measure Boat Speed from C and "arc off" to intercept (COG) A to B either before or after Waypoint.

DO NOT DRAW LINE FROM C TO WPT!

6. Course To Steer (CTS) is C to D in degrees T.