

SailCork Day Skipper

CHARTWORK: Ex 5 COURSE TO STEER – ANSWERS

1. a) Plot on chart with symbol and time
b) Course to steer: **089°(T) 096°(M)**.
c) Just over an hour.
2. a) Course to steer: **132°(T) 139°(M)**.
b) Monitoring back bearing on buoy will show if boat is on track
c) SOG is greater.
3. a) 45°42'.85N 006° 23'.50W
b) HW Victoria 0224 UT. Neaps range.
c) HW+5 hours 353°(T) 1.2 knots.
d) Course to steer: **115 °(T) 122°(M)**.
e) The buoy will be on the port bow.
4. a) HW Victoria 1435 DST. Spring range.
b) HW-4 hours 172°(T) 0.8 knots.
-3 hours 175°(T) 1.9 knots.
c) Course to steer: **073°(T) 080°(M)**.
d) Head up to 070°(M) to allow for the leeway.
e) About 1.5 M north of the light
f) GPS, using XTE, heading compared to COG, direction + dist to waypoint or GPS posn.
5. a) Plot a 1/2 hour diagram. Course to steer 090°(T) 097°(M).
b) It will take just over 30 minutes,.
6. a) 007°(T) SOG 4.2
b) 020°(T) SOG 4.7