

## Axe Yacht Club

### Yachtmaster Shorebased Course

#### Three Point Fix Examples

Chart RYA 3

Take Variation = 6°W

#### Question 1

The following is an extract from the log of a yacht to the east of Strongholm Island.

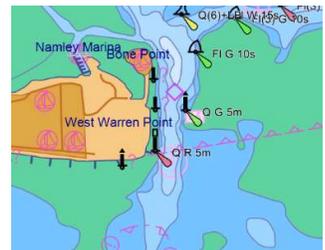
Time	Course	Log	Wind	L'way	Narrative
0815	170 C	21.0	W3	0	Holmpoint Lt 296 M Taw Church 256 M Gamp Holm Lt Fl(2) 6s 196 M

- Plot the 0815 fix and record the latitude and longitude.
- How far is the yacht from the Special Mark Fl(4) Y 20s?

#### Question 2

A motor boat is approaching the entrance to Namley Harbour.

Time	Course	Log	Wind	L'way	Narrative
1645	300 C	34.5	N2	0	Namley Bar Beacon Fl(2) R 10s 279M West Warren Point QR 346M ->[ (Left hand edge) Warren Pt 026M



- Plot the 1645 fix and record the lat/long.
- What is the magnetic bearing and distance to the Isolated Danger Mark Fl(2) 5s to the SW of Namley from this position?

#### Question 3

A vessel in fog has a GPS failure. The skipper takes the following ranges from his radar display at 1230

Holm Pt                      3.44nm  
Mutton Hd                 3.68nm  
Johnson Pt                4.07nm

Plot the vessel's position.

**Answers:**

*Question 1*

- a. *Position  $46^{\circ} 18.091'N / 005^{\circ}46.748'W$*
- b. *1.23nm / 049 M*

*Question 2*

- a. *Position  $46^{\circ} 24.607'N / 005^{\circ} 46.401'W$*
- b. *232°M / 4.61 nm*

*Question 3*

*The 1230 position is  $46^{\circ}18.236'N / 005^{\circ}44.664'W$*