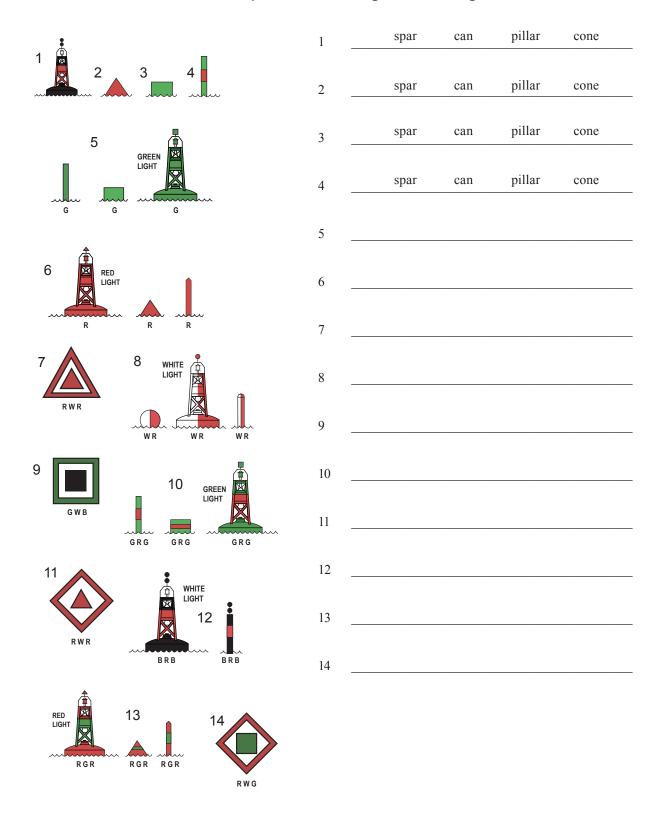
# Class Exercises for Session 2\*

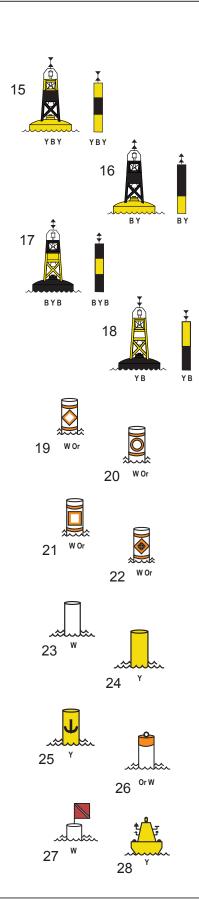
Navigation Aids; Lights; Coordinates; Angles; Distances Chapters 3, 4, 5, 6 and 7 of the Course book

\*See complimentary PowerPoint class presentation available for download from www.MarineNavigationBooks.com

## 2.1. Name and explain the following Aids to Navigation







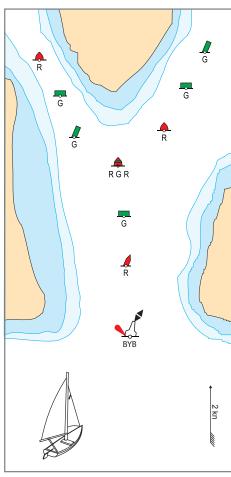


Fig. 1

#### 2.2. Navigation Course

Using a dotted line, indicate the courses on the main channel, and the secondary channel. (Fig. 1).

### 2.3. Lights

Explain the light colour, sequence of the following lights, and the type of light it is:

a) GP Fl(2) 10s 25m 12M (U)

b) (Q(6) + LFI) 10s

c) Mo(A)

d) Fl(2) 10s

e) FlG or FlR

f) FlY

g) Q

h) VQ

i) FlG (2+1) 6s or FlR (2+1) 6s

2.4. Features			
What features are found at the following positions:			
a)	49° 20.1' N; 123° 21.7' W		_
b)	49° 08.0' N; 123° 49.0' W		_
c)	48° 53.0' N; 123° 28.2' W		_
d)	49° 13.0' N; 123° 53.4' W		_
2.5 Coordinates			
What are the coordinates of the following points:			
a)	Point Atkinson light (West Vancouver)	Lat	Long
b)	Sand Heads light (SW of the airport; mouth of the Fraser River; end of Steveston jetty; vertical purple tear drop)		
		Lat	Long
c)	Thrasher Rock light (East of Gabriola Island)		
		Lat	Long
d)	Light on Entrance Island (North of Gabriola Island)		
		Lat	Long
2.6 Courses			
What are the successive courses along the three segments described below (°T):			
a)	Q62 Red Bell buoy (off Point Grey and UBC) to Point Cowan light (to the NW, on Bowen Island)		
b)	Point Cowan light to Thrasher Rock light (to the SW. across Georgia Strait, east of Gabriola Island)		

(to the east, across Georgia Strait, at the end of the Steveston jetty)

c) Thrasher Rock light to Sand Heads light

#### 2.7. Distances

What are the lengths of the three segments in exercise 2.6:

- a) Q62 Red Bell buoy to Point Cowan light\_\_\_\_\_
- b) Point Cowan light to Thrasher Rock light \_\_\_\_\_
- c) Thrasher Rock light to Sand Heads light