



## **Basic Coastal Cruising Review**

To increase the amount of quality time on the water, please fill out these review questions before your class. Look for the answers in the second half of the Sailing Fundamentals book and in the Federal Regulations booklet.

Please return this review at your scheduled class.

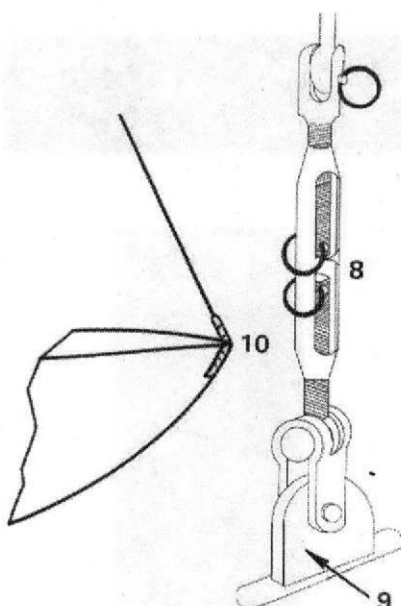
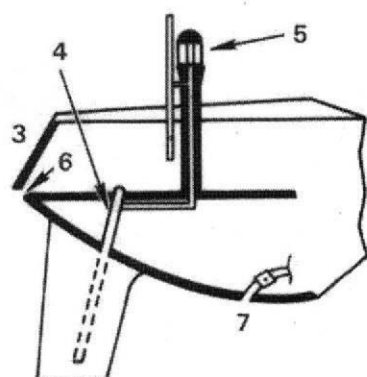
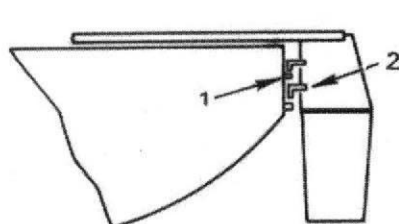
**ASA BASIC COASTAL CRUISING REVIEW**

Place or circle your answer in the column located on the outer margin of each page.

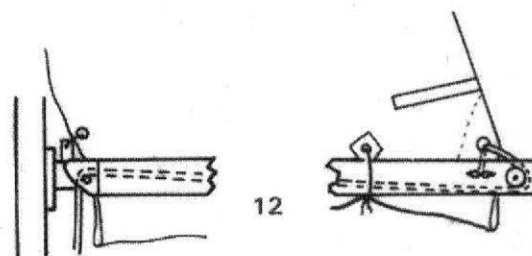
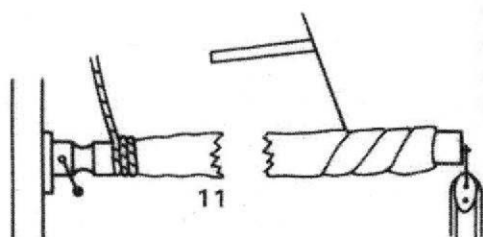
Some multiple choice questions have more than one answer.

**Question 1:** Identify the following parts of a sailboat in the diagrams below.

**Question 1:**



- Turnbuckle.....
- Gudgeon.....
- Pintle.....
- Chainplate.....
- Rudderpost.....
- Roller Reefing.....
- Binnacle.....
- Stem Fitting.....
- Jiffy/slab Reefing.....
- Transom.....
- Through-hull Fitting.....
- Self-bailing Cockpit Drain.....



**Question 2:** The following are good reasons for keeping gear and equipment correctly stowed. Indicate the TWO most important safety reasons.

**Question 2:**

- a. Dry provisions are protected from bilge water
- b. Keep the center of gravity as low as possible
- c. Reduce dangers of gear flying around
- d. To keep the boat tidy and clean
- e. Equipment can be found quickly during an emergency and will function properly
- f. Make most efficient use of available space

\_\_\_\_\_  
\_\_\_\_\_

**Question 3:** Indicate the most important reason for a Safety Harness.

**Question 3:**

- a. To help keep a person standing on deck
- b. To help keep a person attached to the boat
- c. To help keep a person's head above water

\_\_\_\_\_

## Page 2

**Question 4:** Organize the following items into two categories. Column (A) should be federal requirements and Column (B) ASA recommended safety equipment. The boat is a 27 foot sailboat which may be sailed at night and has an outboard motor with a portable fuel tank under the cockpit seat. The boat may be sailed on extended passages in poor weather. Write each letter under column A or B.

Column  
A      B

- |       |       |   |
|-------|-------|---|
| _____ | _____ | a. Two anchors with at least 200' of rode                     |
| _____ | _____ | b. USCG Approved PFD Type I, II or III for each person aboard |
| _____ | _____ | c. State registration numbers on the hull                     |
| _____ | _____ | d. Copy of a local chart                                      |
| _____ | _____ | e. Workable navigation lights                                 |
| _____ | _____ | f. Day visual distress signals                                |
| _____ | _____ | g. Sound making device  |
| _____ | _____ | h. Night visual distress signals                              |
| _____ | _____ | i. A VHF radio  |
| _____ | _____ | j. Safety harnesses   |
| _____ | _____ | k. A workable compass   |
| _____ | _____ | l. First aid kit  |
| _____ | _____ | m. One Type IV PFD  |
| _____ | _____ | n. Bailer or manual bilge pump                                |
| _____ | _____ | o. Flashlight with extra batteries and bulbs                  |
| _____ | _____ | p. Tool kit and spare parts                                   |
| _____ | _____ | q. Fire extinguisher, 2 Type B-I or 1 Type B-II               |
| _____ | _____ | r. Soft wood plugs  |

**Question 5:** Indicate the correct description of a "safety line" or a "jack line".

- |       |   |
|-------|---|
| _____ | a. A line attached at one end to a safety harness and the other end to a secure fitting |
| _____ | b. A line running from the bow to the stern to which one can firmly hold                |
| _____ | c. A secure line running from the bow to the cockpit to which one attaches a tether     |

**Question 6:** Indicate the reason for bow and stern pulpits and lifelines.

- |       |  |
|-------|--|
| _____ | a. To help keep a person on the deck of a boat   |
| _____ | b. To decrease collision damage                  |
| _____ | c. To provide a place for people to sit or stand |

**Question 7:** Indicate whether or not the following can seriously affect the accuracy of your compass when placed directly beside it. Answer always (A), never (N) or some types (S).

- |      |   |   |                      |
|------|---|---|----------------------|
| a. A | N | S | a. Iron              |
| b. A | N | S | b. Aluminum          |
| c. A | N | S | c. Electrical fields |
| d. A | N | S | d. Bronze            |
| e. A | N | S | e. Stainless steel   |
| f. A | N | S | f. Radio             |

**Question 10:** Indicate those treatments below that are recommended for a person suffering from medium hypothermia. (T=recommended, F= not recommended)

- a. T F      a. Administer warm fluid (person is incoherent and unable to agree)
- b. T F      b. Administer aspirin or equivalent medication
- c. T F      c. Massage the victim's arms and legs
- d. T F      d. Elevate victim's head (person is in shock)
- e. T F      e. Administer alcohol
- f. T F      f. Position victim on stomach with face to one side
- g. T F      g. Apply external, direct warmth (human body heat)

**Question 11:** Which of the following actions are recommended when floating in cold water wearing a PFD and waiting for rescue? More than one answer is possible.

Circle Answer

- a.      a. Use "drownproofing techniques"
- b.      b. Stay very still
- c.      c. Keep clothing on
- d.      d. Float in a fetal position (H.E.L.P.)
- e.      e. Swim vigorously to keep warm and to draw attention to yourself

**Question 12:** Which of the following actions is recommended for a group of people in cold water wearing PFDs and waiting for rescue? ONE answer only.

Circle Answer

- a.      a. Hold hands for additional buoyancy
- b.      b. Huddle face to face with arms around each other
- c.      c. Stay very still and watch each other

**Question 13:** There are a number of sources that could cause explosions/ fires on board a boat. Match fuels/gases on the left with their possible source on the right.

Place letter  
on line

FUELS/GASES

- \_\_\_\_\_ Gasoline
- \_\_\_\_\_ Kerosene
- \_\_\_\_\_ Alcohol
- \_\_\_\_\_ Methane
- \_\_\_\_\_ Hydrogen gas
- \_\_\_\_\_ Diesel

SOURCE OF FUELS/ GASES

- a. Heating /lighting fixtures
- b. Holding tank
- c. Inboard engine fuel tank
- d. Cooking stove
- e. Outboard motor fuel tank
- f. Batteries

**Question 14:** Which of the following statements generally represents the recommended action to be taken to prevent fires and/or explosions?

- \_\_\_\_\_ a. Enclose all areas of potential fire or explosion
- \_\_\_\_\_ b. Ventilate all areas of potential fire or explosion



**Question 15:** Which types of fire are the Coast Guard class Type B-I and B-II fire extinguishers designed to fight? More than one answer is possible.

TYPE OF FIRE

- a. Gasoline
- b. Oil
- c. Electrical

**Question 15:**

Circle

- a.
- b.
- c.

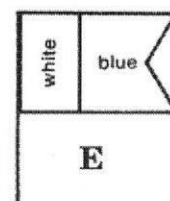
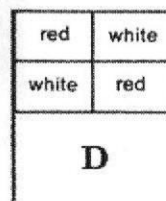
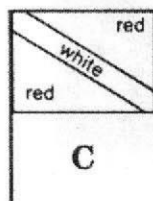
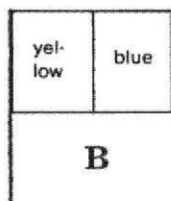
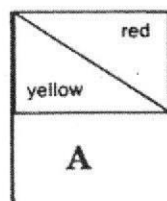
**Question 16:** Indicate fueling precautions recommended by the US Coast Guard when fueling a cruising sailboat with gasoline. T=recommended F=not recommended

- a. Cover and keep air away from spilled fuel
- b. Wipe or wash off spilled fuel
- c. Whenever possible, fill all portable tanks on the dock, not the boat
- d. Open all hatches & other openings before fueling
- e. Shut off all engines and motors
- f. Ventilate the bilge before turning on the engine
- g. Sniff the bilges for fuel vapors prior to starting an inboard engine
- h. Make sure vents on portable tanks have a permanently open vent cap
- i. Hold nozzle firmly against filler pipe
- j. Make sure the nozzle does not touch the filler pipe
- k. Passengers should stay aboard while fueling portable tanks on board

**Question 16:**

- a. T F
- b. T F
- c. T F
- d. T F
- e. T F
- f. T F
- g. T F
- h. T F
- i. T F
- j. T F
- k. T F

**Question 17:** Indicate TWO flag signals used in North America which signify persons are engaged in diving operations in the immediate area.



**Question 18:** Indicate those instructions commonly found on USCG Approved hand-held distress signal flares. T=commonly found F=not commonly found

- a. Strap flare to stanchion or stationary object
- b. Remove tab to expose striker surface
- c. Strike ignition button against hard surface on boat
- d. Reverse top and bring striker into contact with ignition button
- e. Hold away from face, body and boat
- f. Ignite flare on the windward side of boat

- a. T F
- b. T F
- c. T F
- d. T F
- e. T F
- f. T F

**Question 19:** Which of the following conditions best describes the danger that a *lee shore* poses to your vessel?

- a. Becoming shipwrecked
- b. Losing the wind
- c. Being driven off-shore

**Question 19:**

Circle One

- a.
- b.
- c.

**Question 28:** Match the following description of navigational aids with its drawing.

- DESCRIPTION
- \_\_\_\_\_ "Preferred channel"
- \_\_\_\_\_ "Safe water"
- \_\_\_\_\_ "Port side daymark"
- \_\_\_\_\_ "Starboard side daymark"



A



B



C



D

**Question 29:** Indicate the FOUR best methods used individually or in combination for freeing a small sailboat that has run aground.

- METHOD
- |   |                                    |
|---|------------------------------------|
| _____ a. Shift extra weight to the stern                | _____ e. Use anchor as a kedge     |
| _____ b. Heel boat by tying the halyard to a set anchor | _____ f. Rock boat forward and aft |
| _____ c. Hoist weight up on a halyard                   | _____ g. Sail or motor off         |
| _____ d. Request a tow                                  |                                    |

**Question 30:** Match the following uses with the knots listed.

- |                                   |  |
|-----------------------------------|--|
| <u>KNOTS</u>                      | <u>USES</u>                              |
| _____ Reef knot                   | a. For securing an unattended boat       |
| _____ Bowline                     | b. Tying 2 ropes of unequal thickness    |
| _____ Figure eight                | c. Reefing                               |
| _____ Clove hitch                 | d. Stopper knot                          |
| _____ Sheet bend                  | e. Creates non-slipping temporary loop   |
| _____ Round turn & 2 half hitches | f. Temporarily securing a line to a spar |

**Question 31:** Indicate the FOUR best features of a safe anchorage.

- |                                    |   |
|------------------------------------|---|
| _____ a. Good holding ground       | _____ e. Lack of weeds                      |
| _____ b. Good navigational aids    | _____ f. Shelter from waves and swells      |
| _____ c. Lack of other boats       | _____ g. Room to swing on the anchor        |
| _____ d. Sufficient depth of water | _____ h. High shoreline for wind protection |

**Question 32:** Which of the following reasons explains why chain is used to increase the anchor's holding power and reliability? More than one answer may be given.

- REASONS
- |    |   |
|----|---|
| a. | a. Makes the anchor's weight closer to that of the boat |
| b. | b. Keeps the anchor's shank on the bottom               |
| c. | c. Keeps the rode from chafing                          |
| d. | d. Acts as shock absorber                               |
| e. | e. Is USCG required                                     |

**Question 35:** Indicate the single BEST IMMEDIATE ACTION for each situation listed below.

<u>SITUATION</u>	<u>IMMEDIATE ACTION</u>
_____ Spring a leak	a. Radio for help b. Determine source & extent of problem c. Alter course for home port
_____ Rigging Fails	a. Start engine b. Drop sails c. Position the boat to reduce strain on mast
_____ Steering fails	a. Determine other control method b. Get PFDs on crew c. Radio for help
_____ Dragging anchor	a. Increase scope b. Motor in reverse c. Set a second anchor
_____ Grounding at anchor	a. Motor toward anchor b. Increase scope c. Consult the chart & tide tables
_____ Running hard aground on a beam reach	a. Turn away from shore b. Ease sheets c. Motor in reverse
_____ Foul propeller	a. Pull on fouling line b. Cut fouling line c. Stop engine
_____ Broken halyard	a. Tack b. Secure sail c. Rig another halyard

**Question 36:** Which phrase below describes a quality which makes an anchor effective on a pleasure craft?

- \_\_\_\_\_ a. enough weight to sit immovably on the bottom  
b. a design which allows for burial of its flukes

**Question 37:** When anchoring in 25 feet of water (at highest tide) on a sandy bottom with a proper sized Danforth type anchor, which rode length(s) would be inadequate for secure overnight holding?

- a. b. a. 220' b. 115' c. 75' d. 190'  
c. d.



**Question 38:** On a boat that is equipped with a danforth and a plough anchor, which would you prefer in each of the following types of bottom?

**Question 38:**

ANCHOR

- a. Danforth  
b. Plough

DESCRIPTION

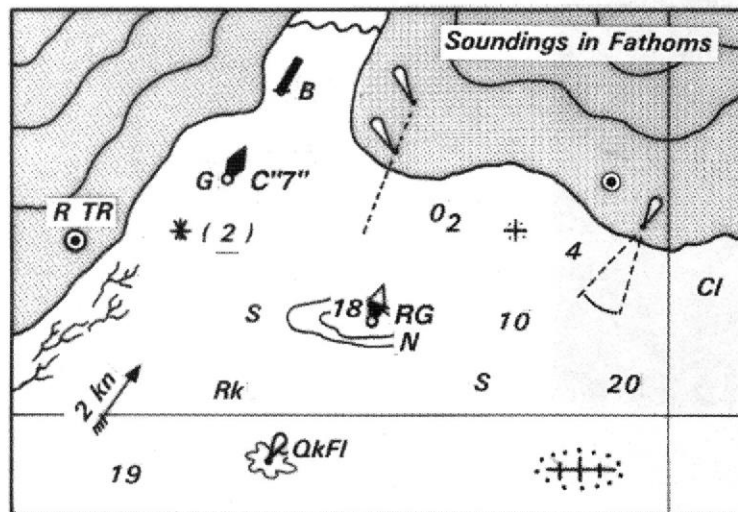
Soft mud.....  
Rocky.....  
Sandy.....  
Hard mud.....  
Weeds.....

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

THE FOLLOWING QUESTION MAY BE ANSWERED USING A REFERENCE LIKE CHART NO.1. IT WILL BE GRADED FOR POINTS.

**Question 39:** Indicate the best term/ description for the symbols/ abbreviations used on charts published by the United States. Only one correct answer for each symbol/ abbreviation.

**Question 39:**



A

B



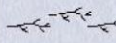


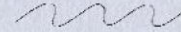


	R TR
	Qk FI
	B
	K
	C
	C
	S
	R
	N
	Rk

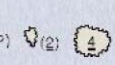
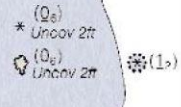
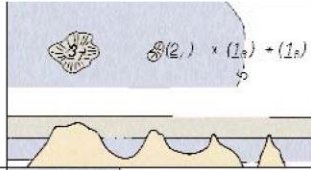


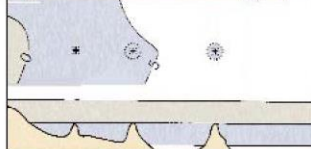


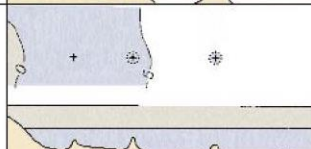
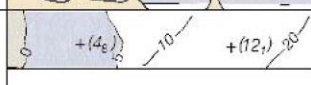
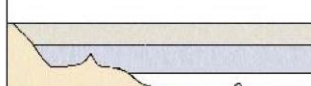


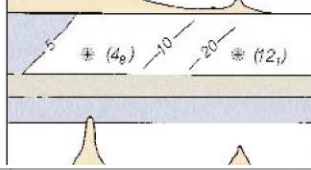



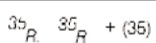
	R TR
	Qk FI
	B
	K
	C
	C
	S
	R
	N
	Rk



TERMS/DESCRIPTIONS







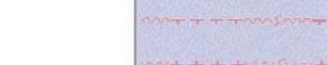
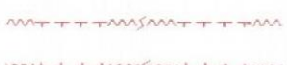


- |  |                          |                        |
|--|--------------------------|------------------------|
| a. 2 ft. sounding                                | b. 4 fathom sounding     | c. Kelp                |
| d. Wreck (sunken)                                | e. Transit/range         | f. Light               |
| g. Reserved buoy                                 | h. Underwater cable      | i. Chimney             |
| j. Changing light                                | k. Wreck                 | l. Clay bottom         |
| m. Spar buoy-black                               | n. Flood stream, 2 knots | o. Can buoy            |
| p. Quick flashing                                | q. 2 knot speed limit    | r. Sector light        |
| s. Covers/uncovers at 2 foot height above datum  |                          | t. Radio tower         |
| u. Covers /uncovers at 2 foot height below datum |                          | v. Nun buoy (junction) |
| w. Rock awash at datum of sounding               |                          | x. Rocky bottom        |



40		Flood stream (current) with rate	
1	S	Sand	S
2	M	Mud	M
3	Cy, Cl	Clay	Cy
13.2	 Kelp	Kelp, Seaweed	
14	 Sandwaves	Mobile bottom (sand waves)	
15	 Spring	Freshwater springs in seabed	

11			Rock which covers and uncovers, height above chart datum		
12			Rock awash at the level of chart datum		
13			Dangerous underwater rock of uncertain depth		
14		27 Rk	Dangerous underwater rock of known depth		
14.1	12 Rk	27 R	in the corresponding depth area		
14.2			outside the corresponding depth area		
15		35 Rk    35 Rk    35 R	Non-dangerous rock, depth known		

28			Dangerous wreck, depth unknown		
----	---	--	--------------------------------	---	--

30.1			Submarine cable		
30.2			Submarine cable area		
31.1			Submarine power cable		
31.2			Submarine power cable area		
32			Disused submarine cable		

2	Beacons in line 090°		Transit, clearing line		
10.4	FI	FI	Single-flashing		
	FI(3)	FI (3)	Group-flashing		
	FI(2+1)	FI (2+1)	Composite group-flashing		
10.5	LFI	L FI	Long-flashing (flash 2 s or longer)		
Quick (repetition rate of 50 to 79 – usually either 50 or 60 – flashes per minute)					
	Q	Q	Continuous quick		
10.6	Q(3)	Q(3)	Group quick		
	IQ	IQ	Interrupted quick		
40			Sector light on standard charts		
2			Green and black		
3			Single colors other than green and black		
4			Multiple colors in horizontal bands, the color sequence is from top to bottom		
20			Conical buoy, nun buoy		
21			Can or cylindrical buoy		
24			Spar buoy, spindle buoy		
25			Barrel buoy		
15			Coast radio station providing QTG service		
10			Coast Guard station		