### **Introduction to Sailing, 1-Day Class, 2024**





### **Introductions**

- Me, Leslie, Others
- Leslie's House
- S/V June Bug
- S/V Ubiquity
- Other Boats?

## **Introductions - YOU!**

Some of you are new to sailing.

Some of you have lots of experience.

Some of you are boat owners, :-) or :-(?

Poll to find Low-IQ people vs. High-IQ people in the room.

## What We Will Do Today

- Introduction to sailing:
  - Concepts
  - Terminology
  - Techniques

- After the classroom work today:
  - Knot practice
  - Practice on boats: use winches, other
  - Sailing!

### Your Follow-Up Resources:

- Sailing Terminology Page
- Basic Keelboat Book
- Introduction to Sailing Class Study Questions
- List of Basic Skills and Knowledge for Crewing on Sailboats

### Singing and Sailing

- Who are Lin and Larry Pardey?
- Another Time: Listen to them sing their "Yacht Club Bar" song, from "Storm Tactics" DVD.
- Sing together the first verses of their "Yacht Club Bar" song.

### Yacht Club Bar Song, Chorus

- I love to sit around the yacht club bar and talk about the things we're going to do.
- I love to sit around the yacht club bar because it doesn't move.
- The swells are big and the winds are high but that don't bother me.
- Cause I never get lost and my tummy doesn't toss It's a wonderful life on the sea.

## Yacht Club Bar Song, Verse 1

- My boat it is a big one boys. My crew it is the best.
- We race around the entrance buoy beating all the rest.
- We're the first ones home with a bent elbow and a powerful salt spray thirst.
- We sit around and drink all night and see who comes in first.

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## **Learning Goals**

Fun, Challenge

Learn Basic Sailing Knowledge:

Terminology

Theory

Techniques

What to do on a sailboat

Result: You are more useful as crew, or a better captain, on a sailboat.

# Why Sailing?

Why not do only power-boating instead?

"Life is too short for sailing" – a powerboating friend of mine.

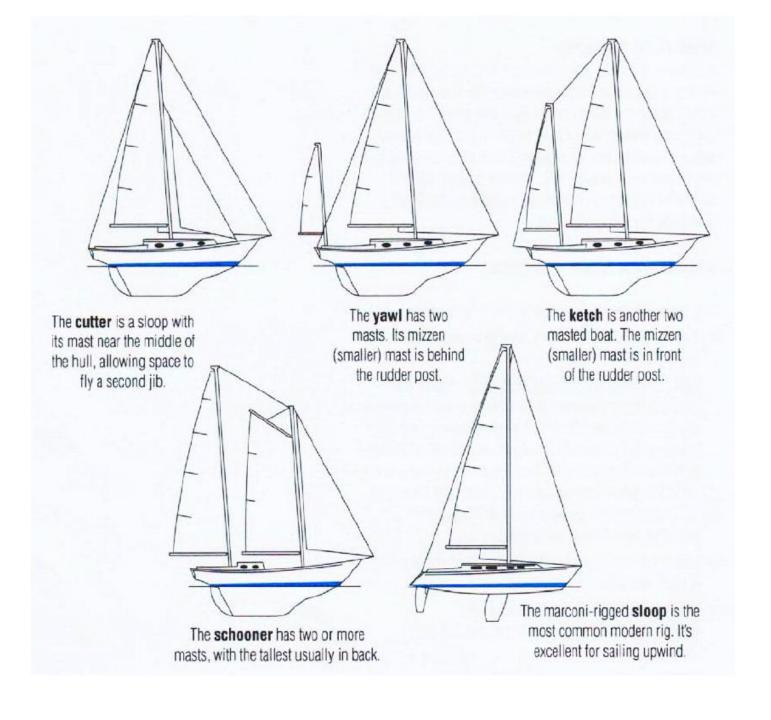
How do power-boating and sailing differ?

Why do sailing?

What are the advantages and disadvantages of sailboats compared to powerboats?

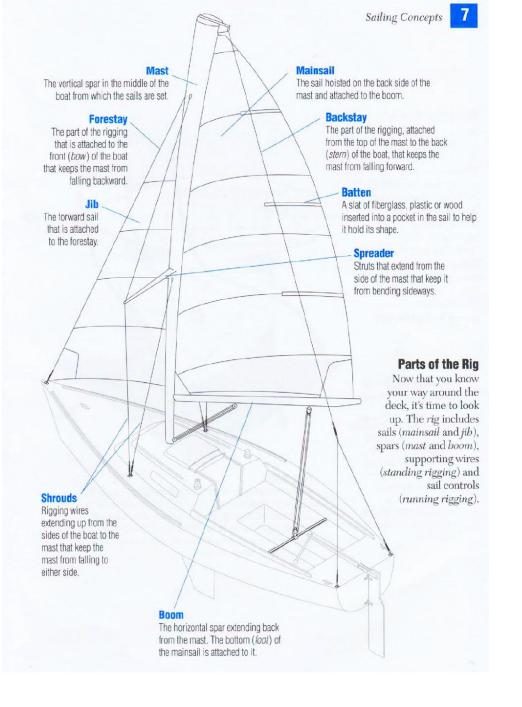
### **Types of Sailboats**

- How to differentiate different types?
- What could be different?
- Rigs: sloop, cutter, ketch, yawl, schooner, catboat, masthead sloops, fractional sloops
- Keels and rudders
- Basic Keelboat, pp. 80-81



### Terminology: Parts of a Boat

- Basic Keelboat, pp. 6-7
- Basic parts of a boat
- Parts of the sailing equipment/rig (see next slide)
- Go to look at the boats, maybe after class ??



# **Core Concept in Sailing**

#### How the Boat is Oriented to the Wind

### **Implications**:

Must keep track of wind direction.

We need terminology to describe boat's orientation to wind.

Orientation of boat to the wind determines how we adjust (trim) the sails.

### Orientation to the Wind

Basic Keelboat, p. 15

Can we sail in all directions?

General Terms:

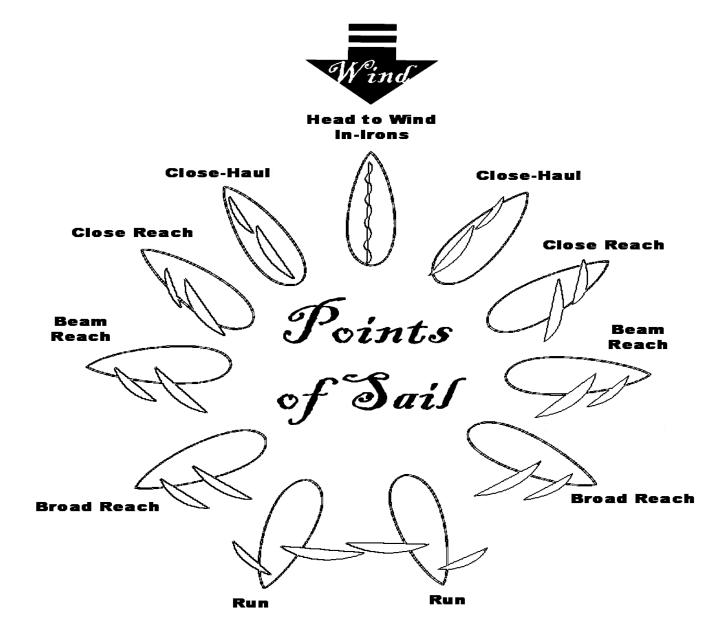
Beating

Reaching

Running

Points of Sail gives us more specific terms.

### **Points of Sail**



### Terminology for Changing our Heading

Always relative to what we are focused on: where the wind is coming from

"Head up", "Heading up", "Come up", "Bring it up", etc.

"Head down", Heading down", "Back off", "Fall off", etc.

Basic Keelboat, pp. 16-17

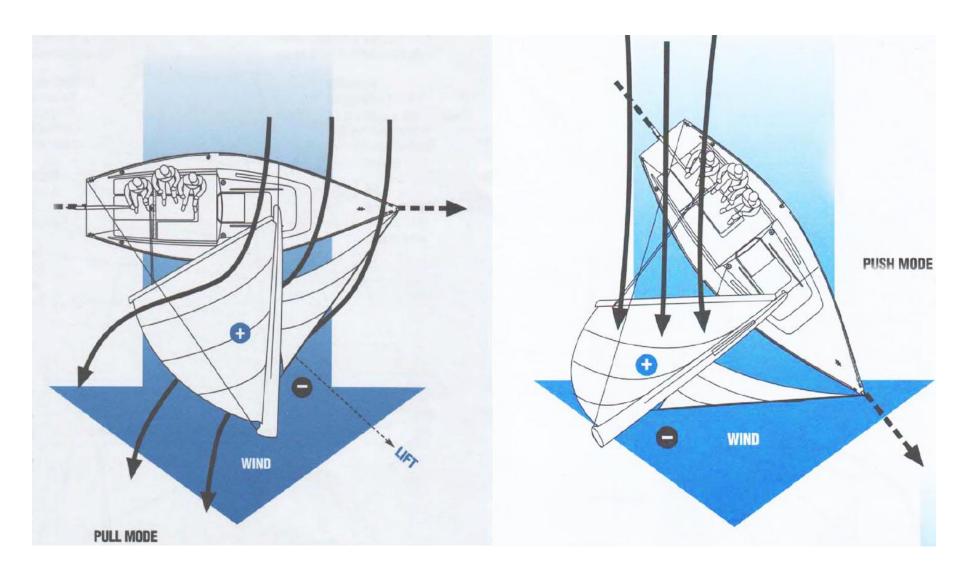
# Even the Sails Act Differently Depending on the Point of Sail

#### Bernoulli Effect

• Exercise with spoon under faucet demonstration

#### "Pull Mode" vs. "Push Mode"

• Basic Keelboat, pp. 8-9 (See next slide)



# How far You Trim Out the Sails Depends on the Point of Sail

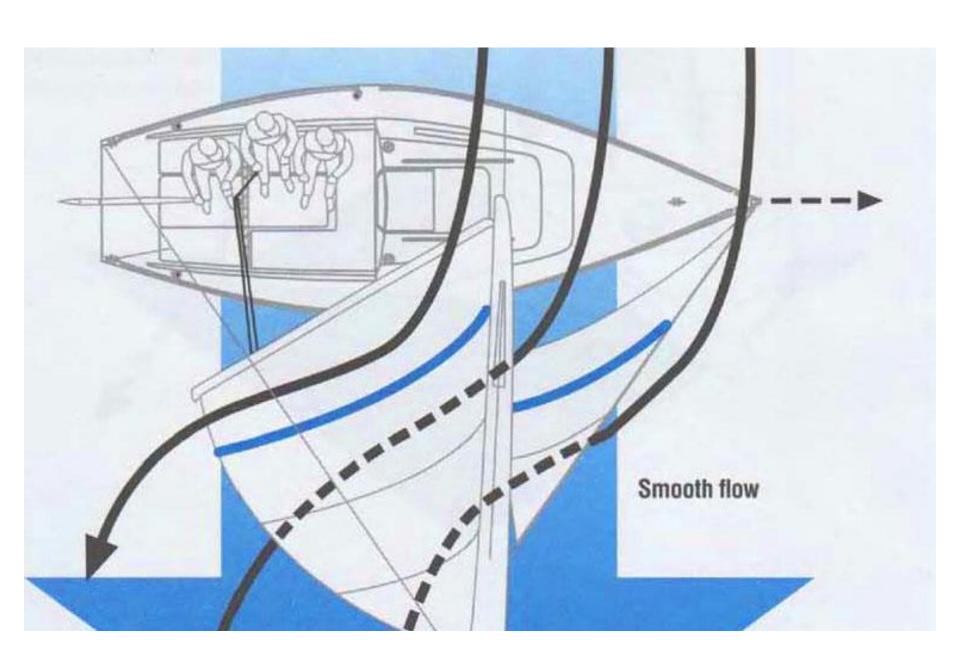
Basic Keelboat, pp. 10-14

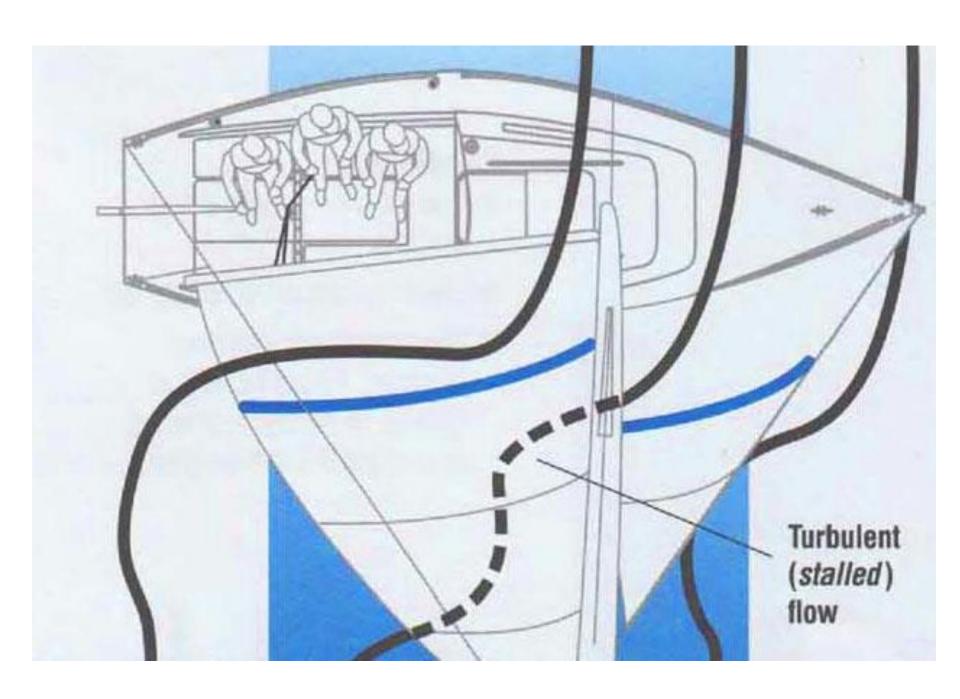
How to trim for Different Points of Sail?

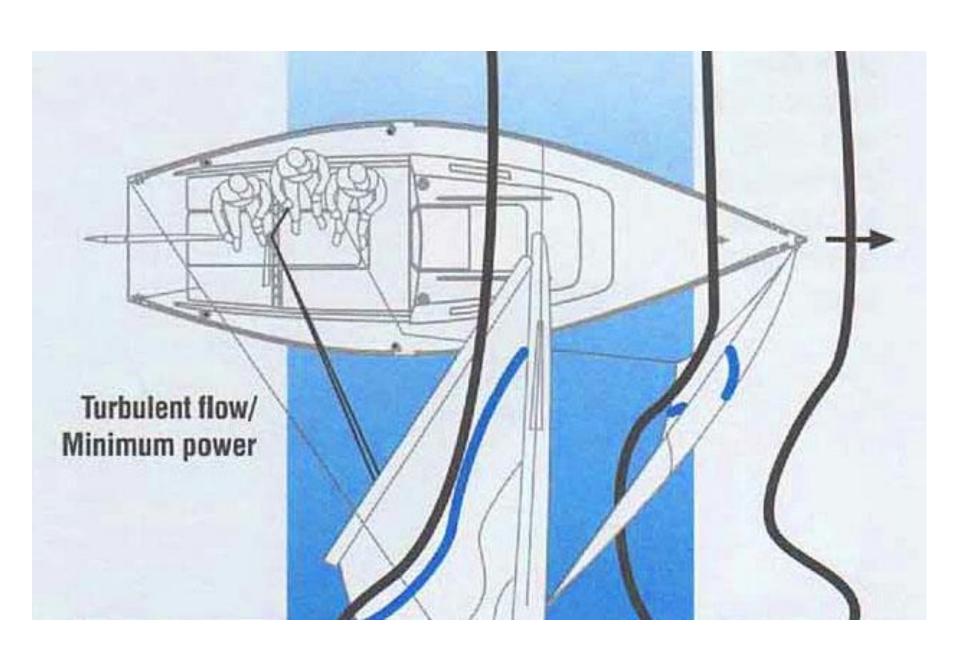
Effect of Trimming Sails Too Loose?

Effect of Trimming Sails Too Tight?

Telltales (Basic Keelboat, pp. 40-41







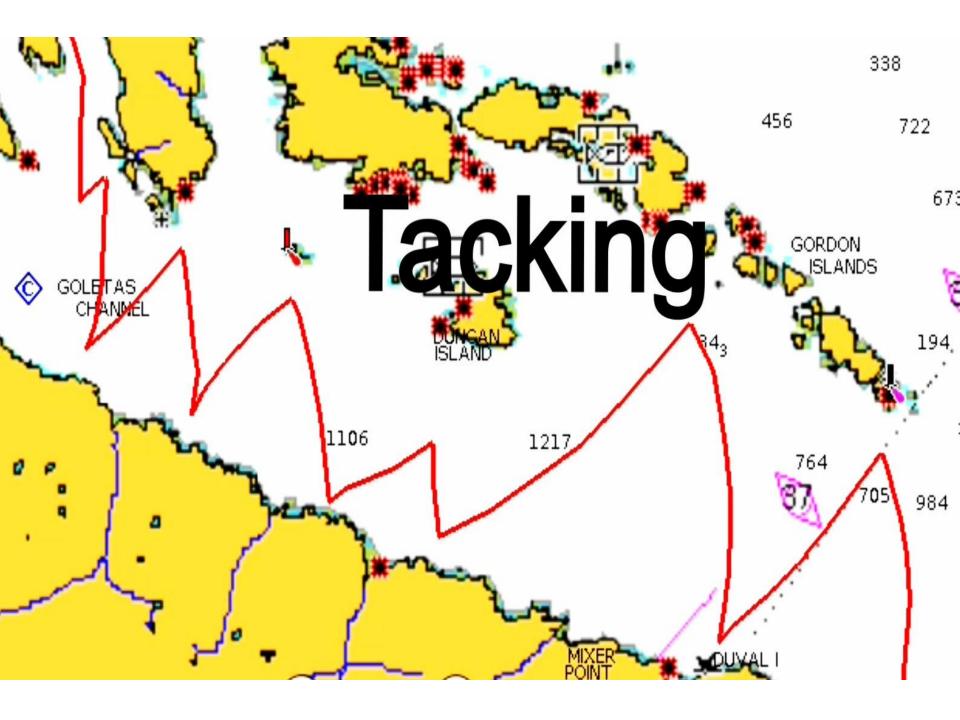
# Turning the Boat so that the Wind is on the Other Side

With wind in front:

Tacking, or Coming About

With wind in back:

**Jibing** 



### Tacking (Coming About)

Basic Keelboat, pp. 18-19

Commands:

Ready about? (or ready to tack?)

Ready!

Tacking (or hard alee, or helms alee)!

# **Jibing**

Basic Keelboat, pp. 20-21

Commands:

Ready to jibe?

Ready!

Jibe ho!

# Terminology: Sails and Major Control Lines

#### Most sails have:

3 corners, each with a name

3 sides, each with a name

Basic Keelboat, pp. 28-29

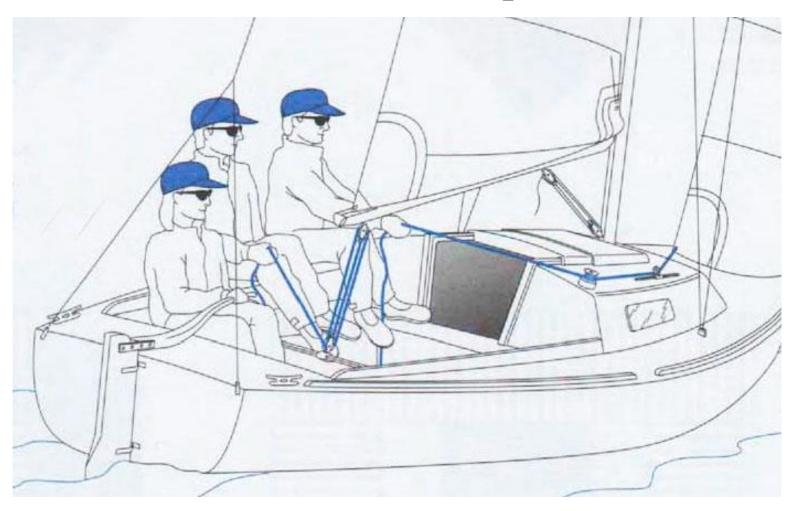
Halyards – To raise sails

Sheets – To trim sails

Inspect the boats to identify halyards, sheets

## Crew Positions, Responsibilities

Basic Keelboat, p. 36



### Helmsman Responsibilities

- Keep Watch
  - Boats, Barges, Deadheads, Buoys, Shallow Water
- Stay on Point of Sail
- Sailing Downwind: Guard vs. Inadvertent Jibe
- Responding to Wind Shifts (Basic Keelboat, pp. 54-55)
- Sometimes commands Tacks/Jibes

## Tiller Steering

Basic Keelboat, p. 37

"Tiller Towards Trouble!"

# Crew Responsibilities: Tailing and Grinding

- Self-Tailing Winches vs. Non-Self-Tailing Winches
- Use of Winch Handles
- Handling Working Sheet and Lazy Sheet
- Tying off Working Sheet

## Other Crew Activities, Returning

Open life-line gate

Deploy fenders

Positioned to step quickly off onto dock

Tie Boat to the dock, Basic Keelboat, p. 49

Fold/bag headsail

Remove/coil jib sheets

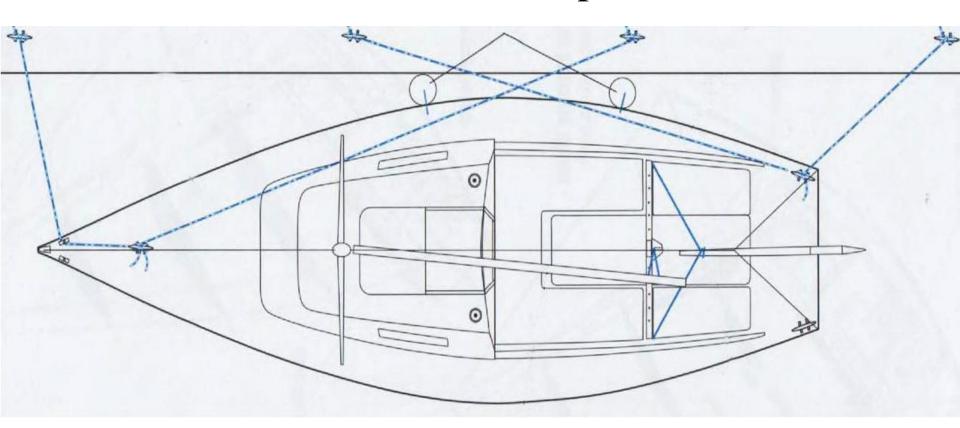
Flake mainsail, stow lazy jacks

Stow main sheet

Position canvas, instrument covers

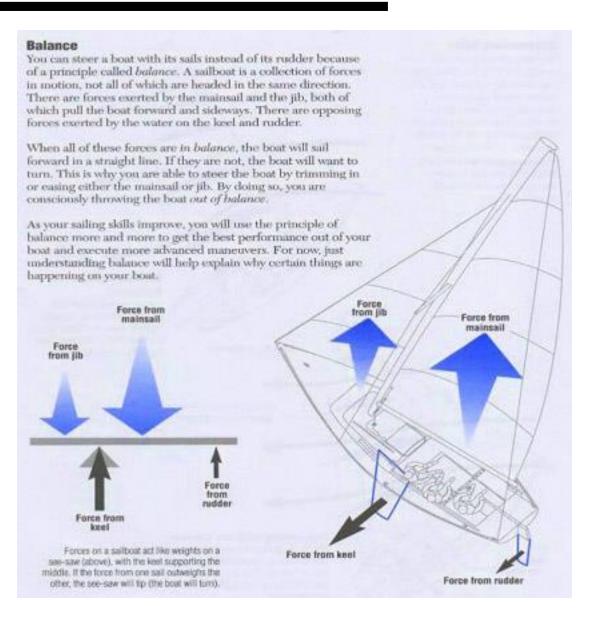
### Tying/Un-Tying Boat to the Dock

Basic Keelboat, p. 49



# Sail Balance

### Weather Helm versus Lee Helm



### **End of THINKING Part of Class**

### Switch to DOING Part of Class

**On-Dock Practice:** 

- -Winches
- -Moving around on Boats

Working with Line:

- -Coil a Line
- -Knots

Sail on Boats

## **On-Dock Practice**

### Winches:

- Self-Tailing Winches
- 2-Speed Winches
- Using Winch Handles

### Moving around on the Boats:

"One hand for you, one for the boat"

# Working with Line

Learn to coil a line!

Bonus: Danish Coil, Braiding

### Knots (Basic Keelboat, pp. 58-60):

- 1) Figure 8 Stopper Knot
- 2) Cleat Hitch
- 3) Round Turn and Two Half-Hitches
- 4) Bowline