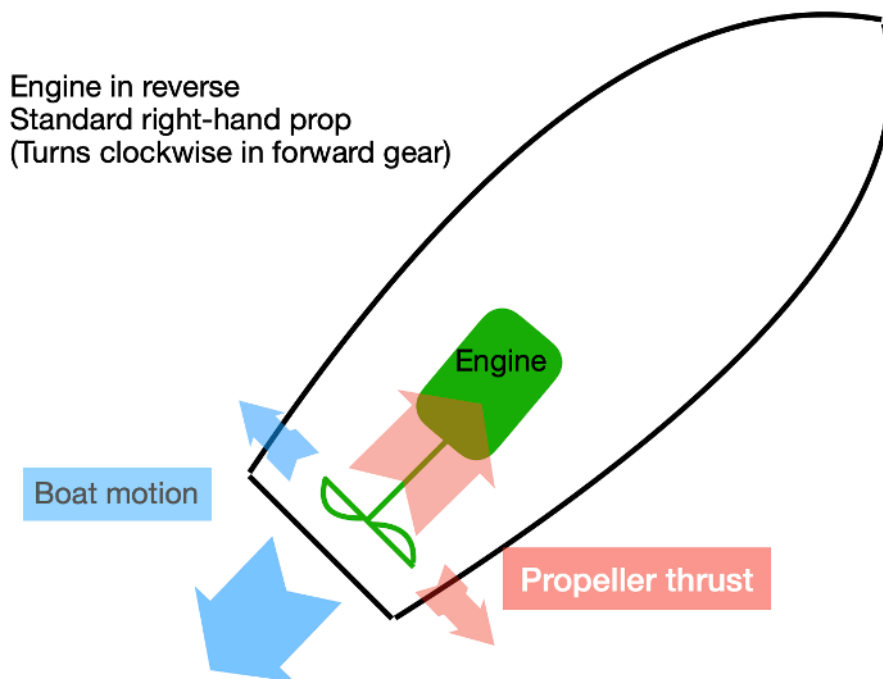


### AS-118 Maneuvering and Docking Review Questions

1. How do keel-hung, skeg-hung and spade rudders differ in terms of maneuvering ability? p. 14, 15



2. What is the the effect of prop walk in reverse gear on a boat with a right-hand prop? P. 23



3. How can wear and tear of the transmission be minimized when shifting between forward and reverse gears? P. 68
4. What is prop wash? P. 23
5. Which control has the most effect of prop walk when in reverse gear? P. 23
6. What is it called when applying a short sharp blast of forward power onto a fully deflected rudder in order to make a sharp turn with little forward motion of the boat? P. 24
7. How does the effect of windage differ between most cruising boats with dinghies and/or dodgers and low-freeboard racing monohulls without dinghies? P. 24, 29

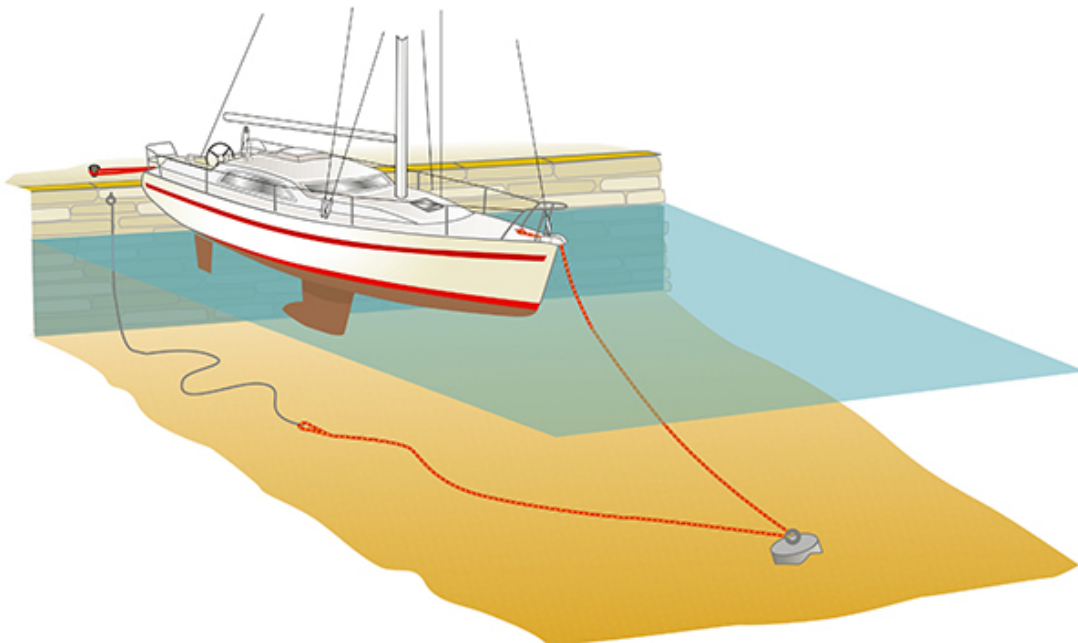
8. Where does a monohull's pivot point move when motoring astern? P. 17  
(See *handout on backing into slip*)
9. What does it take to realize effective rudder authority? P. 19
10. What is the easiest knot to adjust the height of a fender tied to a lifeline or stanchion? P 42, 126
11. What is the purpose of a boat hook? P. 39
12. How must rudder authority be maintained on monohulls with twin rudders under forward power? P. 19



13. What precaution with the wheel should be maintained when maneuvering in reverse gear? P. 19
14. How does the stern move in relation to the bow when bow thrusters are engaged? P. 96
15. What causes the tendency to “lose the bow” (bow is blown downwind) when stopped or moving slowly when the boat is pointed into the wind? P. 29
16. How do most sailboats' orientation react when stopped in a current? P. 30
17. How should fenders be placed when tied to a fixed dock with a moderate tidal range? P. 37-39
18. In which direction does a forward spring line hold the boat? P. 40
19. Modern dock lines are composed of what kind of fiber? P. 40
20. “Taking a turn” describes what kind of action with a line? P. 46
21. What is the advantage of using a bowline to tie a boat in a slip to a piling? P. 43
22. What is the advantage in tying a boat to floating docks verses fixed? P. 56
23. When maneuvering under power, what is the advantage of using a transit? P. 70, 71
24. What is the advantage of maneuvering into the current when docking under power? P. 30
25. When entering bow first with wind from astern, how can a spring line be rigged to prevent the bow from hitting the end of a slip. p. 84
26. What is the most effective method for departing a side tie when the wind is pushing the boat against the dock? P. 85
27. How can you use a spring line to pivot a boat into a slip stern first? P. 92
28. How can you use a spring line to pivot a boat leaving a slip bow first to help the boat turn into a crosswind? P. 89



29. What is the safest action to take when a sudden squall arrives as you approach a marina?  
P. 33
30. What is the advantage of using Mediterranean mooring versus other docking methods?  
P. 94
31. When Mediterranean mooring how are lazy lines utilized? P. 94, 95



32. What aspect can make catamarans easier to dock than monohulls? P. 100
33. Where does the pivot point of a catamaran move when using differential power? P. 17