

U.S.C.G. Merchant Marine Exam
Operator Uninspected Passenger Vessels
Q172 Chart 13205TR
(Sample Examination)

Choose the best answer to the following Multiple-Choice Questions.

The following questions are to be answered by plotting on chart 13205 TR, Block Island Sound, and using the supporting publications.

Each question is completely independent of any other question on this exam.
The following information is applicable to all questions.
(The abbreviation "psc" stands for "per standard magnetic compass".)

VARIATION IS 15° W

DEVIATION TABLE

HDG.MAG.	DEVIATION
000°	2.0°E
030°	3.0°E
060°	4.0°E
090°	2.0°E
120°	1.0°E
150°	1.0°W
180°	2.0°W
210°	3.5°W
240°	3.0°W
270°	1.5°W
300°	0.0°
330°	1.5°E

1. You are on course 073° per standard magnetic compass when you take the following bearings:

Watch Hill Point Light 037°psc
Montauk Point Light 179°psc
Race Rock Light 289°psc

What is your position?

- A. LAT 41°13.6'N, LONG 71°54.6'W
- B. LAT 41°13.7'N, LONG 71°54.9'W
- C. LAT 41°13.8'N, LONG 71°54.3'W
- D. LAT 41°13.7'N, LONG 71°53.8'W

Correct answer: C

2. At 2038 your position is LAT 41°09.2'N, LONG 71°40.6'W. You are on course 301° per standard magnetic compass at 7.2 knots. At 2152 your position is LAT 41°11.3'N, LONG 71°48.6'W. What were the set and drift?

- A. 096°T at 2.0 knots
- B. 080°T at 1.0 knot
- C. 261°T at 1.2 knots
- D. 277°T at 0.9 knot

Correct answer: A

3. Determine the course per standard magnetic compass from 0.2 mile south of Race Rock Light (LAT $41^{\circ}14.6'N$, LONG $72^{\circ}02.8'W$) to the entrance of the channel to Lake Montauk (west of Montauk Point).
- A. $137.0^{\circ}psc$
 - B. $168.5^{\circ}psc$
 - C. $152.0^{\circ}psc$
 - D. $165.5^{\circ}psc$

Correct answer: B

4. What soundings are indicated by a blue tint on this chart?
- A. 30 fathoms or less
 - B. 30 feet or more
 - C. 30 fathoms or more
 - D. 30 feet or less

Correct answer: D

5. You sight North Dumpling Island Light in line with Latimer Reef Light (LAT $41^{\circ}18.2'N$, LONG $71^{\circ}56.0'W$) bearing 089° per standard magnetic compass. If your vessel was heading 297° per standard magnetic compass at the time, which of the following is TRUE?
- A. You should swing your vessel to check the deviation table.
 - B. The deviation equals the variation.
 - C. The deviation table is correct for that heading.
 - D. The compass error is $13^{\circ}W$ for all bearings of $089^{\circ}psc$.

Correct answer: A

6. Your position is 3 miles due east of Montauk Point Light. What is the course to steer to arrive at LAT $41^{\circ}00.0'N$, LONG $71^{\circ}30.0'W$, if you are turning for 7.8 knots, the current is 130° at 1.2 knots, and a southerly wind causes 3° of leeway?
- A. $102^{\circ}T$
 - B. $108^{\circ}T$
 - C. $112^{\circ}T$
 - D. $105^{\circ}T$

Correct answer: B

7. At 2016 your GPS position is LAT $41^{\circ}07.6'N$, LONG $71^{\circ}37.8'W$. At 2128 your GPS position is LAT $41^{\circ}00.4'N$, LONG $71^{\circ}29.4'W$. What was the speed made good between the two positions?
- A. 10.2 knots
 - B. 11.9 knots
 - C. 8.0 knots
 - D. 7.4 knots

Correct answer: C

8. Which of the following describes Block Island?

- A. surrounded by wide sandy beaches
- B. hilly with elevations to 200 feet (60.5 m)
- C. a national bird sanctuary
- D. a low, marshy island

Correct answer: B

9. At 1523 your position is LAT 41°08.2'N, LONG 71°34.4'W. You are turning for 8.7 knots. What is your ETA at Shagwong Reef Buoy "7SR"?

- A. 1711
- B. 1700
- C. 1653
- D. 1718

Correct answer: A

10. What does the precautionary area southeast of Block Island refer to?

- A. recommended traffic lane
- B. dumping ground for hazardous wastes
- C. military exercise area
- D. national marine refuge

Correct answer: A