

To complete some of these homework questions, you will need a Washington DC sectional and a straightedge/plotter. Alternatively, you can use an online site such as skyvector.com (or an app like ForeFlight or Avare) to obtain information on VOR locations and the magnetic courses towards or between VORs. Some of the other questions refer to Figure 28 from the Testing Supplement which I have included as the last page of this document.

#### Question 1

What OBS setting would you use to navigate direct TQ Salisbury-Ocean City Wicomico Regional Airport (SBY) from Cambridge-Dorchester airport (CBE) via VOR?

#### Question 2

Your VOR receiver is tuned to the Cape Charles VOR (northeast of Norfolk, VA). Its display looks like Figure 28, #4. Where are you in relation to the station?

#### Question 3

Your VOR is tuned to the Hopewell VOR (southeast of Richmond, VA). You are positioned over the golf course south of the town of Petersburg. Which VOR indicator from Figure 28 is correct?

#### Question 4.

You have two VOR receivers on board your aircraft. One is tuned to the Snow Hill VOR (southwest of Ocean City, MD) and has the needle centered TO  $215^{\circ}$ . The other is tuned to Salisbury VOR (co-located at SBY airport) and has the needle centered FROM  $108^{\circ}$ . What town are you over?

#### Question 5.

While enroute on Victor Airway V-4 (west of Winchester VA) with your receiver tuned to the Linden VOR you pass radial  $035^{\circ}$  at 1424 Zulu. Continuing on V-4 and still tuned to Linden, you pass radial  $074^{\circ}$  at 1432 Zulu. What is your groundspeed in knots? In miles per hour?

