WHICH WAY TO STEER?

HIGH SCHOOLS
POWERED BY AOPA

CALCULATING THE COMPASS HEADING

Name _____

Class _____

OBJECTIVE

Demonstrate an understanding of the magnetic corrections to the true course necessary to determine a flyable compass heading.

$$TC +/- MV = MC$$
$$MC +/- DEV = CH$$

Sample Compass Deviation Card:

For (Magnetic)	N	30	60	E	120	150
Steer (Compass)	0	28	57	86	117	148
For (Magnetic	S	210	240	W	300	330
Steer (Compass)	180	212	243	274	303	332

Editorial credit: Pilot's Handbook of Aeronautical Knowledge

QUESTIONS

Use the equations above and the compass deviation card for all the questions below. *These scenarios assume no wind.*
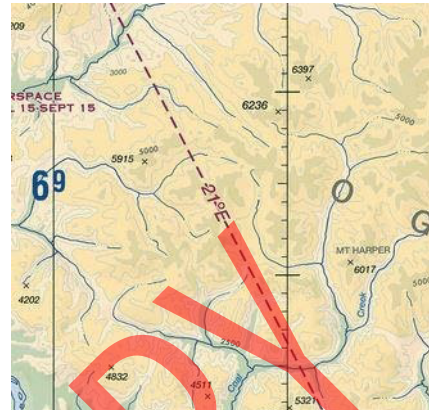
Determine the compass heading in each of the following examples:

1. True course determined from Sectional: **270 degrees**

   a. Magnetic variation: **5 degrees East**
   b. Compass deviation: _____
   c. Compass heading: _____

2. Reference the excerpt to the right.
    Course plotted on sectional: **175 degrees**

    a. Magnetic variation: _____
    b. Compass deviation: _____
    c. Compass heading: _____

3. Reference the excerpt above.
    Course plotted on sectional: _____

    a. Magnetic variation: _____
    b. Compass deviation: _____
    c. Compass heading: _____

Editorial credit: SkyVector