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:

<table>
<thead>
<tr>
<th>For (Magnetic)</th>
<th>N</th>
<th>30</th>
<th>60</th>
<th>E</th>
<th>120</th>
<th>150</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steer (Compass)</td>
<td>0</td>
<td>28</td>
<td>57</td>
<td>86</td>
<td>117</td>
<td>148</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>For (Magnetic)</th>
<th>S</th>
<th>210</th>
<th>240</th>
<th>W</th>
<th>300</th>
<th>330</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steer (Compass)</td>
<td>180</td>
<td>212</td>
<td>243</td>
<td>274</td>
<td>303</td>
<td>332</td>
</tr>
</tbody>
</table>

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: **+4 degrees**
   c. Compass heading: **269 degrees**
2. Reference the excerpt to the right.
Course plotted on sectional: **175 degrees**
   
a. Magnetic variation: **-21 degrees**
b. Compass deviation: **-2 degrees**
c. Compass heading: **152 degrees**

3. Reference the excerpt above.
Course plotted on sectional: **160 degrees**
   
a. Magnetic variation: **0 degrees**
b. Compass deviation: **Either -1 or -2 degrees**
c. Compass heading: **158 or 159 degrees**