MAP & COMPASS WORKSHEET – SNOW CAMPING

Name: ......................................................................................................................

The purpose of this worksheet is to provide you with the opportunity to review basic map and compass skills prior to participating in the Snow Camping outing. You will require the outing map and your own compass. A copy of the map has been posted to the course website, if you’d like to print your own color map prior to the outing.

Any worksheet that does not meet the following grading standards must be re-done and submitted in acceptable form:

• Worksheets must be submitted with complete answers to all questions, and correct answers to not less than 80% of the questions.
• Bearings must be no more than 2° off. Three dark north-south lines have been scribed on the map for the purpose of measuring true north bearings. Note that bearings must be provided as magnetic north (MN) bearings.
• Distances must be within .2 miles (linear distance).
• Elevations must be exact! If a feature is between contour lines, split the difference, as you learned in Wilderness Survival.

1. What is the contour interval of the snow camping map? ........................................... FEET

2. To convert a TN bearing to a MN bearing west of the Agonic Line, do you add or subtract the value of declination? .................................

PROVIDE THE FOLLOWING INFORMATION

<table>
<thead>
<tr>
<th>FROM (X)</th>
<th>TO (Y)</th>
<th>MN BEARING</th>
<th>LINEAR DISTANCE</th>
<th>ELEVATION OF X</th>
<th>ELEVATION OF Y</th>
</tr>
</thead>
<tbody>
<tr>
<td>3. X - VANS</td>
<td>X AT SKI JCT. 00</td>
<td>...............</td>
<td>.................</td>
<td>..................</td>
<td>..................</td>
</tr>
<tr>
<td>4. X AT SKI JCT. 00</td>
<td>CAMP 2</td>
<td>...............</td>
<td>.................</td>
<td>...provided in Q 3...</td>
<td>..................</td>
</tr>
<tr>
<td>5. CAMP 2</td>
<td>PEAK 1</td>
<td>...............</td>
<td>.................</td>
<td>...provided in Q 4...</td>
<td>..................</td>
</tr>
<tr>
<td>6. PEAK 1</td>
<td>PEAK 2</td>
<td>...............</td>
<td>.................</td>
<td>...provided in Q 5...</td>
<td>..................</td>
</tr>
<tr>
<td>7. PEAK 2</td>
<td>PEAK 3</td>
<td>...............</td>
<td>.................</td>
<td>...provided in Q 6...</td>
<td>..................</td>
</tr>
</tbody>
</table>

8. What is the linear distance of the orange snowshoeing route FROM the x at the vans TO Camp 2? ........................................... miles

9. How many feet of elevation will you LOSE while hiking along the route specified in Q 8? ........................................... feet.

10. How many feet of elevation will you GAIN while hiking along the route specified in Q 8? ........................................... feet.

11. What is the net elevation difference between the x at the vans and the x at Camp 2? ........................................... feet.

12. What feature lies at a MN bearing of 56° and 1.95 miles FROM point x-VANS? ........................................... 

13. You went snowshoeing and got lost in the undulating terrain. To determine your location, you hike to the top of a peak to measure a set of compass bearings. A MN bearing on Peak 2 reads 280°. A MN bearing on Tumalo Mtn. reads 158°.

a. What peak are you on? ................................................................................................. Peak ____________.