

IMPORTANT! After your worksheet is returned you may notice a grading error. You might want to challenge a response that could be incorrectly graded, so submit a clean worksheet. I WILL NOT consider changing the score on any answer that has been completed in pencil, or changed (scratched through) in pen. Do not discard your worksheet after it has been returned until you check your score on Blackboard.

You **MUST** complete the correct worksheet! Worksheets are changed EVERY TERM! Previous versions will **NOT** be accepted!

For the following questions, use the *WORKSHEET MAP*. If *YOU* print a copy, print a *HIGH QUALITY COLOR COPY!* I **strongly encourage** you to view the computer version of the map when completing your worksheet. The black vertical lines on the map are north-south lines. Use them as reference lines when measuring bearings. This map is NOT a 7.5-minute map with a 1:24,000 scale. It is an enlarged copy of a 7.5-minute topographic map from a region of the Wind River Range in Wyoming. Use the bar scale to measure distances.

1. Which is higher, the lake at point 4, or the lake at point 2? \_\_\_\_\_
2. Point 6 is situated at what kind of landform feature? \_\_\_\_\_
3. Which way does the water flow OUT of Lake 10,322 - to the S, to the E, or to the N? \_\_\_\_\_
4. Fill in the empty spaces below. *Bearings must be no more than 2° off and the elevations must be EXACT.* Provide *distance* as a decimal (e.g. 1.75 miles; not 1 3/4 miles). The scale is NOT 1:24,000. Use the bar scale at the bottom left corner of the map to measure distance. Each response is worth 1 point, so be precise and detail oriented with all calculations!

'A' serves as an example. Take the time to review 'A' on your own to confirm that you are on the right track. You will find a ruler helpful to connect points that are farther apart than the length of the compass base plate. I recommend using a pencil to draw a faint line between two points that are far apart, then measuring the bearing.

|    | <u>FROM</u> | <u>TO</u> | <u>MAP BEARING</u> | <u>DISTANCE</u> | <u>WHAT ARE THE ELEVATIONS OF THE FOLLOWING POINTS?</u> |                          |
|----|-------------|-----------|--------------------|-----------------|---|--------------------------|
| A. | Pt. 1       | Pt. 3     | 243°               | 2.15 miles      | pt. 1 = _____ 12048 ft.                                 | pt. 3 = _____ 10,740 ft. |
| B. | Pt. 2       | Pt. 5     | _____              | _____           | pt. 2 = _____ ft.                                       | pt. 5 = _____ ft.        |
| C. | Pt. 7       | Pt. 4     | _____              | _____           | pt. 7 = _____ ft.                                       | pt. 4 = _____ ft.        |
| D. | Pt. 6       | Pt. C     | _____              | _____           | pt. 6 = _____ ft.                                       | pt. C = _____ ft.        |

5. How long is the Hay Pass Trail from the point where it enters (or leaves) the north side of the map to where it leaves (or enters) the south side of the map? \_\_\_\_\_ MILES
6. Identify the feature that lies 95° and 1.8 linear miles from Peak 10,820? \_\_\_\_\_
7. How many total feet of elevation will you gain while hiking on the Timico Pass Trail between Pt. A and Pt. B? \_\_\_\_\_
8. How many total feet of elevation will you lose while hiking on the Timico Pass Trail between Pt. A and Pt. B? \_\_\_\_\_
9. What is the net elevation change (or difference) between point A and point B? \_\_\_\_\_