

Map and Compass Worksheet - PEOL 363 - Ice Climbing

This worksheet is designed to reinforce your map and compass skills. All questions are worth 1 point.

1. What is the elevation of Pole Creek Spring trailhead? feet

 2. What is the elevation of our campsite? feet

 3. What is the net elevation difference between these two points? feet

 4. How many feet of elevation are lost when hiking the trail between Pole Creek Springs trailhead and the trail junction with the north fork of Squaw Creek? feet

 5. What is the linear distance along the trail from Pole Creek Spring trailhead to our campsite? Assume that any distances marked on the map are linear distances. miles

 6. What is the elevation of each of the following points?
 - a - Demaris Lk. feet
 - b - Carver Lk. feet
 - c - lake at snout of Diller Glacier feet
 - d - trail where it crosses Soap Cr. feet

 7. You're on the trail between Pole Creek Spring trailhead and the junction of the north Fork of Squaw Cr. For fun, you decide to practice your resection skills. A bearing on the summit of the Middle Sister reads 254° . Where are you?

 8. You decide to practice your triangulation skills. Your first bearing is on the summit of the Middle Sister and it reads 284° . Your second bearing is on the summit of North Sister and it reads 315° .
What lake are you near?
 - Which shore?
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9. What feature lies 271° and approximately 4.25 linear miles from Pole Creek Spring Trailhead?
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