

Map and Compass Worksheet - PEOL 363 - Ice Climbing

1. Identify the elevations of the following points:
 - a - Pole Creek Spring trailhead (start of our hike): feet
 - b - 1st trail jct. encountered after leaving Pole Creed trailhead: feet
 - c - trail where it meets Soap Creek: feet
 - d - trail where it meets the North Fork of Squaw Creek: feet
 - e - our designated campsite: feet

2. What is the net elevation difference between Pole Creek trailhead and our campsite?
..... feet

3. How many total feet of elevation will you LOSE when hiking the trail between Pole Creek Trailhead and our campsite? feet

4. How many total feet of elevation will you GAIN when hiking the trail between Pole Creek Trailhead and our campsite? feet

5. What is the linear distance along the marked trail (see map of route on the climbing web page) from Pole Creek trailhead to our campsite? Assume that any distances marked on the map are linear distances. miles

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

7. 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?

8. What feature lies 262° and approximately 4.85 linear miles from Pole Creek Spring Trailhead?