

## TOPOGRAPHIC MAP EXERCISE [ANSWER KEY]

Use the Kings Hill topographic map to answer the following questions:

1. Kings Hill Pass on Highway 89 has an elevation of 7393 feet above sea level. How high (in feet) will you climb if you hiked from the pass to the top of Kings Hill?

Kings Hill = 8008 ft   KH Pass = 7393 ft    $8008 - 7393 = 615$  ft

2. Which mountain is taller, Porphyry Peak or Kings Hill? How much taller is it (in feet)?

Porphyry Peak = 8192 ft    $8192 - 8008 = 184$  ft

3. What is the horizontal (straight-line) distance (in miles) between Porphyry Peak and Kings Hill?

Using the map scale, the distance is 1.5 miles

4. What is the number of the county road you would take to get to O'Brien Park? What type of road is it?

839; light duty dirt road

5. There are 5 black line segments (·-----·) in the Showdown Winter Sports Area. What winter sports feature do the line segments represent?

Ski lifts

6. What is the exact starting elevation (in feet) of Petty Creek?

7640 ft (one contour interval above the 7600 ft index contour)

7. As Petty Creek flows downhill, what compass direction is the water headed?

- a. North
- b. Southeast
- c. **Southwest**
- d. East

8. What is the approximate elevation (in feet) of the quarry?

7360 to 7400 ft