Answer Key

Road Scholar—How The Grinch Aced Road Scholar -- Answer Sheet

Student signatures: _____ Team Number _____

_____ Team Name _____

1. **River changed course after boundary set**
2. **Bridge West of Ocean Spring not repaired**
3. **M-17**
4. **Picayune shown in red**
5. **De Soto National Forest**
6. **MS 13 is local undivided and US 49 is principal divided**
7. **24 miles (range)**
8. **County Seat**
9. **State Capitol**
10. **Ross Barnett Reservoir**
11. **JAN-- GPT** - HKS
12. **Vicksburg National Military Park**
13. **Latitude 32.3° North**
14. **Mississippi, Atchafalaya, Red Rivers**
15. **$2.50**
16. **4 hours, 37 minutes (no range)**
17. **51.12 mph** (50.5 to 51.5 mph)
18. **764 (range) ± 20** / in meters
19. **West Esplanade Ave and Causeway Blvd** (or W.)
20. **St Bernard Parish**
21. **Left onto Decatur St (5 blocks); Right onto Canal St (5 blocks); Right onto Bourbon St (1.5 blocks)**
22. **13 traffic lights** (acceptable: 10 lights)

Alt: Toulouse (L) on Royal; (R) on canal; (R) on Bourbon

points page 1=	_____
points page 2 =	_____
points page 3 =	_____
points profile =	_____
points map =	_____
total correct =	_____

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_____

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23. 10 ft

24. SW 7 // 7

25. paved

26. 56 ° (range 54-58°)

27. 638.4 meters (range 600 to 670)

28. orchards

29. 816 miles (range 815 miles)

30. 1452 meters (range 1427 to 1477)

31. 128.5 feet

32. 0 (no range)

33. gravel mine/quarry (or: "mining")

34. 761 feet

35. 1967-1991 (range 1967-1993)

36. 1000 feet (range) 960 - 1,040 ft.

37. North 1/2, NW 1/4 , Section 17, Town 27North, Range 21 West

38. 17 ½ ° East (no range)

39. 2° 45' 00" (No N or S needed)

40. longitude lines converge toward poles

41. 24 square miles (~~range 0~~)

42. tailings and settling pond next to River

 # correct page 2 = _____

TB9-47

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43. No trees in valley around smelter (others??)

44. The gage will not respond because it is upstream of rain event at airport

45. Latitude 47° 32' 43.3" N orth (range 40 to 47")

46. Longitude 116° 08' 01" West (range 07' 58" to 08 04")

47. UTM 5 65 232 meters East

48. Bearing South 13° East (range 11 to 15)

49-50 Profile Problem (quality tiebreak)

51-54 Map Drawing problem (quality tiebreak)

Ties are broken from the last question forward.
Closeness to ideal values are used on measurement and calculation problems.

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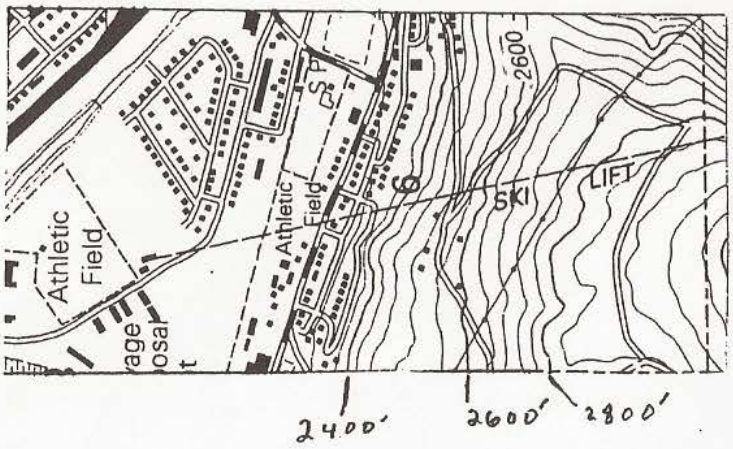
For questions 49 and 50: Use this enlarged map section to plot the profile along the ski lift, from its start at the athletic field to its highest point at the PLSS section boundary. Graph is slightly larger than needed.

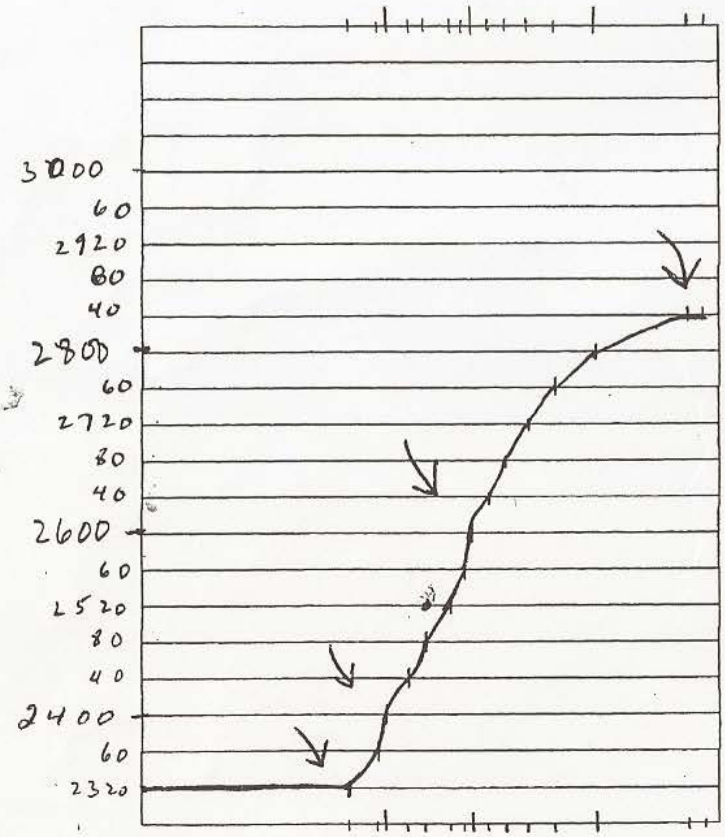


points

(49) axis setup

(50) plot

Graph:



elevation (feet)

North West

map distance

South East

closeness tiebreaker !

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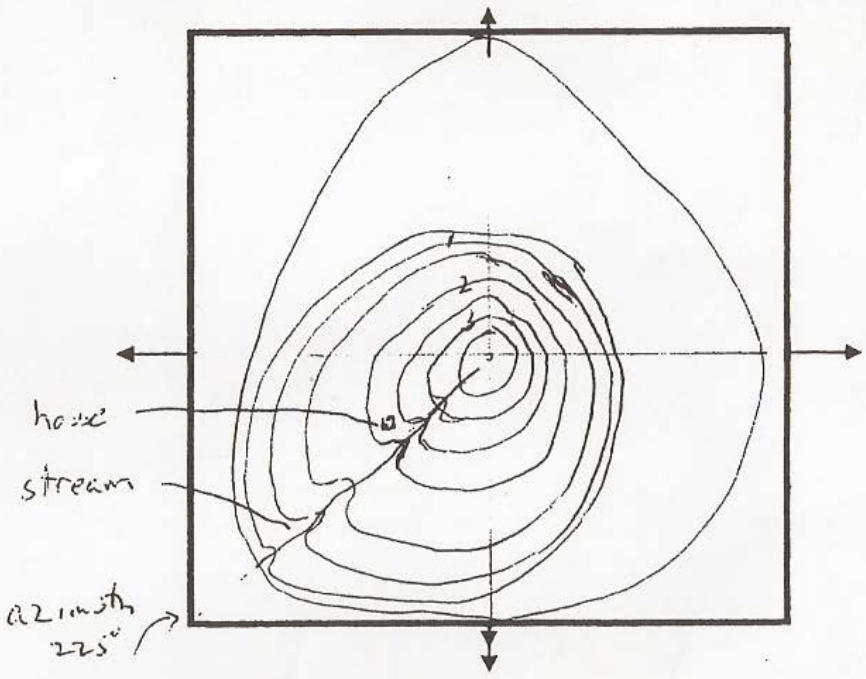
Map Drawing Problem- Questions # 51 to 54:

Hey, map dudes and dudettes! I know you're rushed, so here is where you can visit me for tea:

I live on an old volcanic island. The island is a mile North-South and .85 miles East-West. Centered in map area is a 400 ft high mountain, steeper on Northeast side. A stream starts right near the top of the mountain, and flows straight Southwest at an Azimuth of 225° to the sea. The stream has eroded a pretty little valley into the mountainside. My house is just North of the stream at 225 feet elevation.

Use Scale 1 cm = 150 meters 11 cm= 1 mile. Contour interval = 50 feet

North



South

Check list: 1 pt each for-

Island shape Contours and slopes Stream and valley House location