Student signature: _____   Team Number _____

Student signature: _____   School Name _____

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____ and _____

8. _____ (no units)

9. _____

10. _____

11. _____

12. _____

13. _____and _____

14. _____

15. _____

16. _____

17. _____

18. _____, _____, _____

19. _____ hours _____ minutes

<table>
</table>

| Place _____ |
| Score _____ |

| # correct p. 1= _____ |
| # correct p. 2 = _____ |
| # correct p. 3 = _____ |
| # correct profile = _____ |
| # map problem= _____ |
| **total correct =** _____ |

(this page= 19 ques//# correct=   )

School Name_____   Team Number _____

20.   _____

21.   ____°, ____', ____"

22.   _____

23.   _____ Mountains _____Nat. Forest_

24.   _____

25.   _____

26.   _____

27.   Sec _____, Town _____, Range _____

28.   _____, _____ , Sec _____, Town _____, Range _____

29.   _____

30.   _____

31.   _____

32.   _____

33.   _____

34.   _____

35.   _____

36.   _____

37.   _____

38.   _____

(this page 19 ques// # correct = _____   )

School Name_____   Team Number _____

39.   _____

40.   _____

41.   _____

42.   _____

43.   _____

44.   _____

45.   latitude= _____

46.   longitude = _____

47.   UTM Easting= _____

48.   _____

49.   _____

(this page 11 ques // # correct = _____)

Ties are broken using all questions in sequence from # 49 backwards towards #1.
Closeness to ideal values is used on measurement and calculation problems.

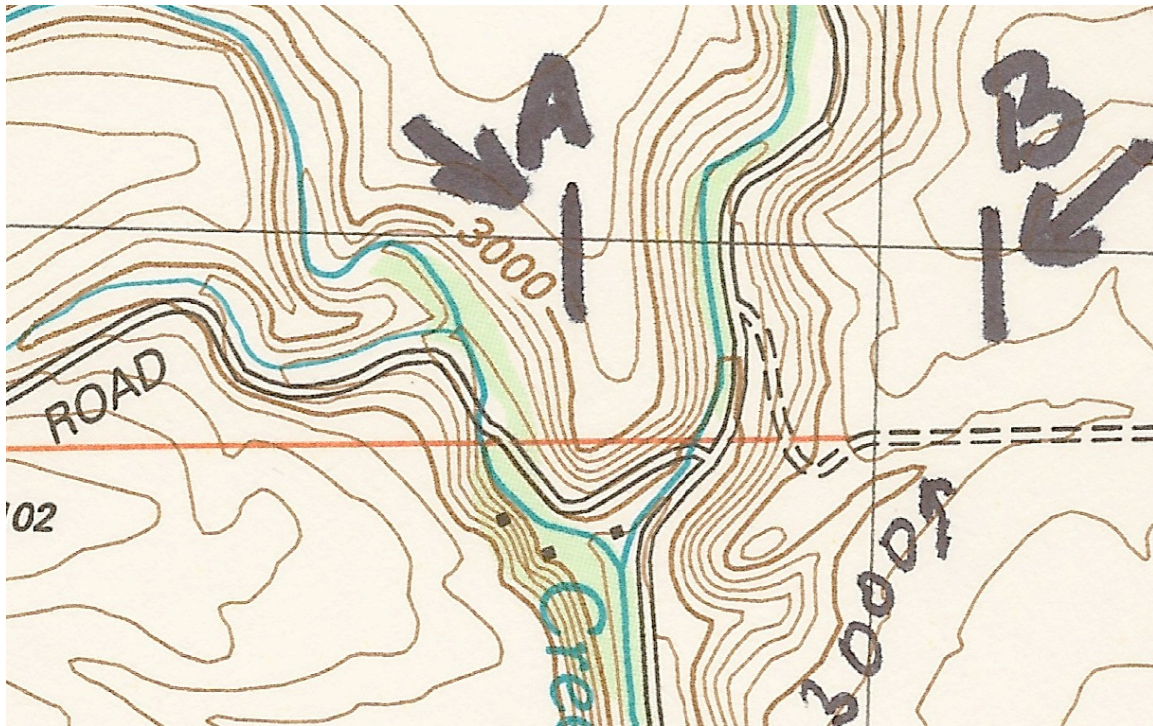School Name_____   Team Number _____

Big X , little x, what begins with X ?
X chromosomes in girly gnomes; there's only one in the other sex.

Let's draw a profile of Beaver Creek Canyon, up in Rock Island Map Sector NE3!
50. Label the Y axis with elevations. The contour interval is 20 feet.
51. Plot and draw the profile along the black UTM grid line.
52. Label points A, B, and the stream. Use " highest possible" elevation values for all three points.

elev.	A					B
3000						

Scoring

50.___

51.___

52.____

total = ____

Big Y, little y, what begins with Y?
Yolanda does-she runs the mine. While Zombies work, she's doin' fine!
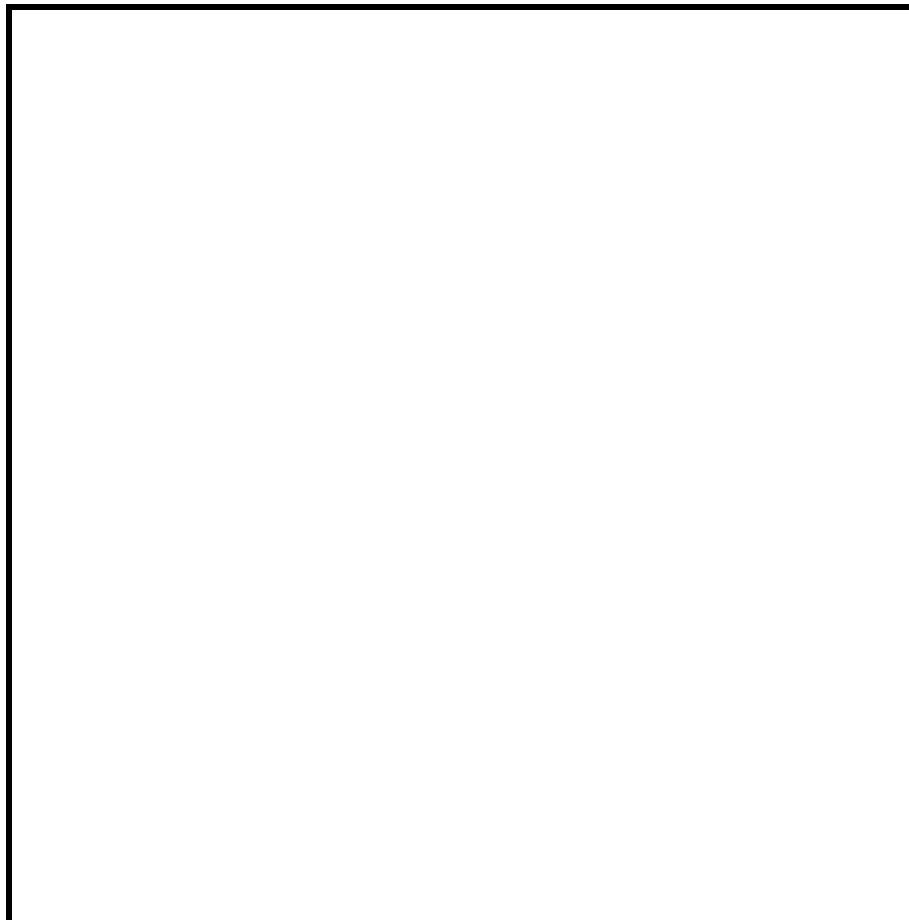
School Name_____   Team Number _____

Big Z, little z, what begins with Z ?
Let me think….let me think- something that begins with Z.
Zim… Zom… Zimbi—Zomb-- no, sorry, I just can't think of anything. I give up.

Mommy and I bought the Lazy Z Brain School in Wyoming a little while ago. It's made up of one PLSS Section. The Snake River enters the map at the Northeast corner and meanders through it following a bearing of S 45°W.   The valley around the Snake is level at 2000 ft elevation and a half- mile wide. After that the Northern Valley edge rises steeply to 2200 ft, but the Southern edge rises more gradually to 2110 ft. We have a home and a school building in the SE ¼ of the SE ¼, at an elevation of 2110 ft. Our students can wander around the valley, and we develop brains with good taste at the school!

53.   Draw the Snake River as it meanders through the Brain School PLSS Section.

54.   Draw Northern and Southern valley edge contours; label elevations.

55. Draw the house and school using USGS symbols. Mark the school's elevation.

You may leave any guide lines you draw—you do not have to clean them up.
Use a scale of 120 mm= 1 mile   1 mm= 44 feet   Contour interval 20 feet

Scoring

53.___

54.___

55.___

Total_____