

**\*\*\* EXAMINATION \*\*\***

**CORNER RESTORATION BY PROPORTION**

1. **The number of complete and partial townships shown**
  - a) in Figure 1 is three
  - b) in Figure 1 is six
  - c) in Figure 1 is nine
  - d) in Figure 1 is twelve
  
2. **In Figure 1, the survey on February 16, 1966 was performed**
  - a) to establish missing 1/4 section corners
  - b) to establish missing township corners
  - c) to establish missing 1/16 section corners
  - d) All of the above
  
3. **In Figure 1, the survey on February 16, 1966 was performed**
  - a) near the Arizona - New Mexico border
  - b) near the New Mexico - Texas border
  - c) near the Arizona - California border
  - d) All of the above
  
4. **In Figure 1, the survey on February 16, 1966 was performed**
  - a) near the First Standard Parallel North
  - b) near the Second Standard Parallel North
  - c) near the Third Standard Parallel North
  - d) near the Fourth Standard Parallel North
  
5. **In 1875, the Arizona - New Mexico state line was surveyed by**
  - a) Milton Santee
  - b) Chandler Robbins
  - c) Oscar Walsh and Clarence Bilbray
  - d) Lloyd Toland
  
6. **In 1882, the Arizona - New Mexico state line was retraced by**
  - a) Milton Santee
  - b) Chandler Robbins
  - c) Oscar Walsh and Clarence Bilbray
  - d) Lloyd Toland

7. **In 1936, the Arizona - New Mexico state line was retraced by**
  - a) Milton Santee
  - b) Chandler Robbins
  - c) Oscar Walsh and Clarence Bilbray
  - d) Lloyd Toland
  
8. **In 1946, the Arizona - New Mexico state line was retraced by**
  - a) Milton Santee
  - b) Chandler Robbins
  - c) Oscar Walsh and Clarence Bilbray
  - d) Lloyd Toland
  
9. **The original plat of T12N, R30E show the line between**
  - a) section 6 and 7 as 77.06 chains
  - b) section 6 and 7 as 78.06 chains
  - c) section 6 and 7 as 79.06 chains
  - d) section 6 and 7 as 79.96 chains
  
10. **The area of Section 4, T13N, R31E was**
  - a) 638.12 acres
  - b) 639.12 acres
  - c) 640 acres
  - d) None of the above
  
11. **The area of fractional lot 1 of Section 4, T13N, R31E was**
  - a) 37.89 acres
  - b) 39.75 acres
  - c) 39.77 acres
  - d) 39.79 acres
  
12. **The area of fractional lot 2 of Section 4, T13N, R31E was**
  - a) 37.89 acres
  - b) 39.75 acres
  - c) 39.77 acres
  - d) 39.79 acres
  
13. **The area of fractional lot 3 of Section 4, T13N, R31E was**
  - a) 37.89 acres
  - b) 39.75 acres
  - c) 39.77 acres
  - d) 39.79 acres

14. **The area of the S 1/2 of the NE 1/4 of Section 4, T13N,**
  - a) R31E was 37.89 acres
  - b) R31E was 39.75 acres
  - c) R31E was 40 acres
  - d) R31E was 80 acres
  
15. **The area of the SE 1/4 of Section 4, T13N, R31E was**
  - a) 37.89 acres
  - b) 39.75 acres
  - c) 160 acres
  - d) 320 acres
  
16. **The east line of Section 4, T13N, R31E was**
  - a) 39.87 chains
  - b) 40 chains
  - c) 79.87 chains
  - d) 80 chains
  
17. **Section 3-126 of the 1973 BLM Manual of Surveying Instructions**
  - a) discusses springs and waterholes
  - b) discusses double proportionment
  - c) discusses single proportionment
  - d) discusses closing corners
  
18. **Section 5-25 of the 1973 BLM Manual of Surveying Instructions**
  - a) discusses springs and waterholes
  - b) discusses double proportionment
  - c) discusses single proportionment
  - d) discusses closing corners
  
19. **Milton Santee**
  - a) probably used a long tape
  - b) probably used a short tape
  - c) probably used a vara tape
  - d) disregarded his own work in the 1882 survey
  
20. **The fractional Section 1, T12N, R30E contained**
  - a) 10 fractional lots
  - b) 12 fractional lots
  - c) 14 fractional lots
  - d) 16 fractional lots

21. **The fractional Section 2, T12N, R30E contained**
- a) 12 fractional lots
  - b) 14 fractional lots
  - c) 16 fractional lots
  - d) 18 fractional lots
22. **The fractional Section 3, T12N, R30E contained**
- a) 12 fractional lots
  - b) 14 fractional lots
  - c) 16 fractional lots
  - d) 18 fractional lots
23. **The fractional Section 4, T12N, R30E contained**
- a) 14 fractional lots
  - b) 16 fractional lots
  - c) 18 fractional lots
  - d) 24 fractional lots
24. **The fractional Section 5, T12N, R30E contained**
- a) 14 fractional lots
  - b) 16 fractional lots
  - c) 19 fractional lots
  - d) 24 fractional lots
25. **All lot corners along the third standard parallel north**
- a) were restored by single proportionate measure
  - b) were restored by double proportionate measure
  - c) were restored by ties to witness trees
  - d) None of the above
26. **The northwest corner of T12N, R30E was**
- a) an interior corner
  - b) a double corner
  - c) a closing corner
  - d) None of the above
27. **The northwest corner of T12N, R30E was**
- a) found
  - b) established by witness ties
  - c) restored by double proportionate measure
  - d) restored by single proportionate measure

28. **All lost corners along the third standard parallel north**
- a) were restored by single proportionate measure
  - b) were restored by double proportionate measure
  - c) were established by witness ties
  - d) None of the above
29. **All lost closing corners along the third standard parallel**
- a) north were restored by measuring from the south
  - b) north were restored by measuring from the north
  - c) north were restored by single proportionate measure
  - d) north were restored by double proportionate measure
30. **The northwest corner of T13N, R30E was**
- a) restored by measuring from the south
  - b) restored by measuring from the north
  - c) restored by single proportionate measure
  - d) restored by double proportionate measure
31. **The closest control corner to the north of the northwest**
- a) corner of T13N, R30E was one mile
  - b) corner of T13N, R30E was two miles
  - c) corner of T13N, R30E was three miles
  - d) corner of T13N, R30E was six miles
32. **The closest control corner to the south of the northwest**
- a) corner of T13N, R30E was one mile
  - b) corner of T13N, R30E was two miles
  - c) corner of T13N, R30E was three miles
  - d) corner of T13N, R30E was six miles
33. **The closest control corner to the east of the northwest**
- a) corner of T13N, R30E was one mile
  - b) corner of T13N, R30E was two miles
  - c) corner of T13N, R30E was three miles
  - d) corner of T13N, R30E was six miles
34. **All lost corners along the boundaries of T13N, R30N**
- a) were restored by measuring from the south
  - b) were restored by measuring from the north
  - c) were restored by single proportionate measure
  - d) were restored by double proportionate measure

35. **Within T13N, R30N, only**
- a) one section corner was found
  - b) two section corners were found
  - c) ten section corners were found
  - d) twenty section corners were found
36. **All interior lost corners in T13N, R30N were restored by**
- a) witness corners
  - b) meanders corners
  - c) single proportionate measure
  - d) double proportionate measure
37. **All of the 1/4 section corners in T13N, R30N**
- a) were restored by witness corners
  - b) were restored by meander corners
  - c) were restored by single proportionate measure
  - d) were restored by double proportionate measure
38. **The lost corners along the north boundary of T13N, R31N**
- a) were restored by witness corners
  - b) were restored by meander corners
  - c) were restored by single proportionate measure
  - d) were restored by double proportionate measure
39. **The lost corners along the east boundary of T13N, R31N**
- a) were restored by witness corners
  - b) were restored by meander corners
  - c) were restored by single proportionate measure
  - d) were restored by double proportionate measure
40. **All interior lost corners in T13N, R31N were restored by**
- a) witness corners
  - b) meanders corners
  - c) single proportionate measure
  - d) double proportionate measure
41. **Page A3-1 shows that Heydon ran between Sections 18 and 19**
- a) by making it parallel to Byar's line between Sec 19 and 30
  - b) by running true west
  - c) by running a random line west
  - d) None of the above

42. **Sections 5-15 and 5-18 of the 1973 BLM Manual of Surveying**
- a) Instructions discuss line trees
  - b) Instructions discuss double proportionment
  - c) Instructions discuss single proportionment
  - d) Instructions discuss closing corners
43. **Page A3-4 shows that the corner of Sections 19, 20, 29, and 30**
- a) was replaced by using line trees
  - b) was replaced by using witness corners
  - c) was replaced by single proportionate measure
  - d) was replaced by double proportionate measure
44. **Page A3-4 shows that the 1/4 corner of Sections 19 and 20**
- a) was replaced by using line trees
  - b) was replaced by using witness corners
  - c) was replaced by single proportionate measure
  - d) was replaced by double proportionate measure
45. **Section 5-40 of the 1973 BLM Manual of Surveying**
- a) Instructions discusses line trees
  - b) Instructions discusses double proportionment
  - c) Instructions discusses single proportionment
  - d) Instructions discusses restoration of meander corners
46. **On Page A4-4, the 1/4 section lines were established**
- a) by running cardinal directions from the south and east
  - b) by connecting the opposite 1/4 section corners
  - c) by running cardinal directions from the edges of the lake
  - d) None of the above
47. **Sections 5-35 of the 1973 BLM Manual of Surveying**
- a) Instructions discusses double sets of corners
  - b) Instructions discusses double proportionment
  - c) Instructions discusses single proportionment
  - d) Instructions discusses closing corners
48. **Sections 5-36 of the 1973 BLM Manual of Surveying**
- a) Instructions discusses line trees
  - b) Instructions discusses double proportionment
  - c) Instructions discusses single proportionment
  - d) Instructions discusses irregular boundaries

49. **In T60N, R18W, 4th PM, the corner of Section 16, 17, 20, & 21**
- a) was recovered from remaining original bearing trees
  - b) was reset by single proportion
  - c) was reset by double proportion
  - d) None of the above
50. **The Eighth Standard Parallel North along T60N, R18W, 4th PM**
- a) was surveyed by Samuel Stebbins
  - b) was surveyed by William Allen
  - c) was surveyed by C.M. Dorway
  - d) None of the above
51. **In 1882, surveys of Section 16, T60N, R18W, 4th PM**
- a) was surveyed by Samuel Stebbins
  - b) was surveyed by William Allen
  - c) was surveyed by C.M. Dorway
  - d) None of the above
52. **All measurements across the lakes by William Allen were**
- a) calculated
  - b) triangulated
  - c) made on an offset
  - d) made on the ice
53. **A small island in Section 33, T60N, R18W, 4th PM**
- a) was surveyed by Samuel Stebbins
  - b) was surveyed by William Allen
  - c) was surveyed by C.M. Dorway
  - d) All of the above
54. **The largest lake in Section 16, T60N, R18W, 4th PM**
- a) was Arrowhead Lake
  - b) was Minnow Lake
  - c) was Meander Lake
  - d) was Dogwood Lake
55. **Arrowhead Lake pointed**
- a) southeast
  - b) southwest
  - c) northeast
  - d) west

56. **Sand Lake was located in**

- a) Section 28 and 33, T60N, R18W, 4th PM
- b) Section 18 and 23, T60N, R18W, 4th PM
- c) Section 15 and 16, T60N, R18W, 4th PM
- d) Section 17 and 18, T60N, R18W, 4th PM

57. **The north line of Section 15, T60N, R18W, 4th PM**

- a) was recorded as 80.20 chains during a dependent resurvey
- b) was recorded as 80.70 chains during a dependent resurvey
- c) was recorded as 81.20 chains during a dependent resurvey
- d) was recorded as 81.70 chains during a dependent resurvey

58. **The south line of Section 15, T60N, R18W, 4th PM**

- a) was recorded as 81.70 chains during a dependent resurvey
- b) was recorded as 81.80 chains during a dependent resurvey
- c) was recorded as 81.90 chains during a dependent resurvey
- d) was recorded as 82.03 chains during a dependent resurvey

59. **The west line of Section 15, T60N, R18W, 4th PM**

- a) was recorded as 81.70 chains during a dependent resurvey
- b) was recorded as 81.80 chains during a dependent resurvey
- c) was recorded as 81.92 chains during a dependent resurvey
- d) was recorded as 82.03 chains during a dependent resurvey

60. **The east line of Section 15, T60N, R18W, 4th PM**

- a) was recorded as 81.76 chains during a dependent resurvey
- b) was recorded as 81.80 chains during a dependent resurvey
- c) was recorded as 81.92 chains during a dependent resurvey
- d) was recorded as 82.03 chains during a dependent resurvey



**GEOGRAPHIC INFORMATION SYSTEMS  
GEOGRAPHIC INFORMATION CENTER  
PO BOX 5839  
MC ALLEN, TEXAS 78502-5839**

**1-800-522-0139**

**kh@acnet.net  
Copyright 2010**

---

Name \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Telephone \_\_\_\_\_ E-Mail \_\_\_\_\_

Fax \_\_\_\_\_ ( ) 24-Hour Fax

( ) Yes ( ) No      If fax and telephone are the same number, shall we call first?

Mail certificates to above address \_\_\_\_\_ check address \_\_\_\_\_ envelope address \_\_\_\_\_

State + Specialty + PE Registration number (i.e. TX EE 12389) \_\_\_\_\_

State + Professional Land Surveying registration number \_\_\_\_\_

NC (North Carolina) + Specialty + PE Registration number \_\_\_\_\_

NC (North Carolina) + Land Surveying Registration Number \_\_\_\_\_

Professional Affiliations \_\_\_\_\_

Return this page with your answer sheet and a check or money order for \$100 per course. Use one check for each registrant (in your company) taking one or more courses. We accept company checks (if they are your employer's). We do not accept third-party checks or checks outside of your city of residence. Using third-party checks that do not include your name or company name may invalidate your professional development hours being reviewed by an audit process. Add \$5 for same day processing and priority shipping.

Make checks or money orders payable to Geographic Information Systems.

