

The System of Rectangular Surveys

1. The rectangular system of public land surveys has been used continuously since:
 - a. 1945
 - b. 1929
 - c. 1785
 - d. 1865
2. A *principal meridian* is intended to conform to the true meridian, extending north or south, or in both directions, from the initial point as conditions require.

True
False
3. The *base line* is extended east and west from the initial point on a true parallel of latitude. Standard quarter-section and section corners are established alternately at intervals of 40 chains and standard township corners at intervals of _____ chains.
 - a. 560
 - b. 500
 - c. 480
 - d. 425
4. Regarding *Township Exteriors*, the north and west boundaries of a township are normally the governing lines of the subdivisional surveys.

True
False
5. Regarding *Township Exteriors*, the 14' limit for exteriors applies only to the establishment of _____ boundaries.
 - a. new
 - b. existing
 - c. lost
 - d. disputed
6. Considering *Retracements and Resurveys Before Subdividing*, the _____ boundary of a township is regularly the governing latitudinal boundary unless defective in alinement.
 - a. north
 - b. east
 - c. west
 - d. south
7. Considering *Retracements and Resurveys Before Subdividing*, the _____ boundary of a township is regularly the governing meridional boundary unless defective in alinement.
 - a. north
 - b. south
 - c. west
 - d. east
8. With regards to *Subdivision of Townships*, meridional section lines have precedence in the order of survey.

True
False
9. Considering *Accumulated Error*, the slight, ordinary errors in the measurement of the meridional lines are _____ the adjustment of the bearings of the latitudinal section lines.
 - a. incorporated into
 - b. deleted from
 - c. ignored in
 - d. reported in
10. Figure 3-30 shows the projection of both the sectional guide meridian and sectional correction line where combination of defective conditions exists.

True
False
11. The Bureau of Land Management has _____ to survey or resurvey State boundaries.
 - a. no budget
 - b. unlimited authority
 - c. partial authority
 - d. no general authority
12. In the case of *irregular townships* the sections bear:
 - a. revised numbers.
 - b. alternate numbers from what they would have had.
 - c. the same numbers they would have had if the townships were regular.
 - d. no numbers and instead are listed as special cases.
13. Most original surveys that are now to be extended or completed were executed many years ago when the remaining areas were considered wastelands.

True
False
14. When considering *Completion of Township Subdivision*, if no irregularities are found in the previously established lines the new survey:
 - a. may proceed normally.
 - b. is not required.
 - c. should re-establish the lines.
 - d. may proceed under advisement.

The System of Rectangular Surveys (continued)

15. The method of subdivision of section by survey is established during the survey of the section exterior and a subdivision of section by protraction, when applicable.
True
False
16. Regarding *Subdivision of Sections*, the work of the local surveyor _____ the subdivision of the section into the legal subdivisions shown upon the approved plat.
a. seldom includes
b. cannot include
c. is required to include
d. usually includes
17. It is unlawful for the surveyor to impair bona fide rights as to location.
True
False
18. *Protraction Diagrams* _____ be treated as "protracted subdivision township surveys."
a. should not
b. should always
c. can usually
d. can occasionally
19. Protraction diagrams developed in _____ forms.
a. three
b. four
c. six
d. two
20. With regards to *Protracted Blocks*, when protracted lines close on an interior corner or a terminal line, it will be necessary to use a random and true line instead of a:
a. designated bearing line.
b. meridian line.
c. township line.
d. sectional center line.
21. All lands beneath navigable waters and other important rivers and lakes are to be included with the upland.
True
False
22. The vegetation examination is conducted _____ to determine whether the grass, tree, shrub, or plant is aquatic or terrestrial vegetation.
a. by review of aerial photographs
b. by conference call with local surveyors
c. annually
d. in the field
23. Individual States may develop their own rules for determination of their own boundaries as against private owners but such State laws cannot generally act to reduce Federally owned areas or otherwise alter the boundaries of Federal land.
True
False
24. Considering *Rivers and Tidewater*, _____, the bank on the left hand is termed the left bank and that on the right hand the right bank.
a. facing downstream
b. facing north
c. facing south
d. facing upstream
25. The selection of swamp lands in Florida, Illinois, Iowa, Missouri, and Oregon, and in Indian reservations within Minnesota, is based upon investigations and reports by representatives of the State and of the BLM, but this does not set aside the Manual requirements for the usual complete showing of the character of the land.
True
False