

20 STATE PLANE COORDINATES AND OTHER MAP PROJECTIONS

Asterisks (*) indicate problems that have answers given in Appendix G.

20.1 Discuss the advantages of placing surveys on state plane coordinate systems.

From Section 20.1, paragraph 1: It allows computations to be made using simple coordinate geometry formulas.

20.2 Which map projection is preferred for states whose long dimensions are north-south? East-west?

The Transverse Mercator map projection is preferred for states that have long dimensions in the north-south direction, and the Lambert conformal conic map projection is preferred for states with long east-west dimensions.