## 7 Angles, Azimuths, and BEARINGs

Asterisks ${ }^{(*)}$ indicate problems that have partial answers given in Appendix G.
7.1 Define the different reference meridians that can be used for the direction of a line.

See Section 7.4.
Geodetic or true: Reference to geodetic north, which is referenced to the average position of the poles between 1900.0 and 1905.0
Astronomic: Reference meridians taken from instantaneous position of Earth's pole, which wanders over time.
Magnetic: Reference meridian taken from current position of magnetic poles.
Grid: Reference meridian chosen from some map projection system such as the state plane coordinate system where all meridians are parallel to the central meridian of the projection.
Record or deed: Reference meridian selected from a recorded deed by using the value given for one line in the deed.
Assumed: A value of $0^{\circ}$ arbitrarily assigned to a line on the ground.
7.2 List the three basic requirements in determining an angle.

From Section 7.1, paragraph 2:
"...they are (1) reference or starting line, (2) direction of turning, and (3) angular distance (value of the angle)."

