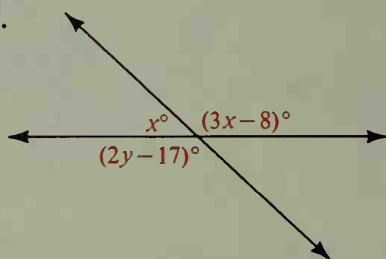
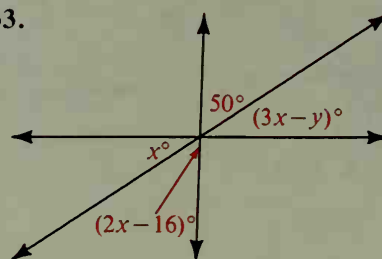


Find the values of x and y for each diagram.

32.



33.



- C 34. Can the measure of a complement of an angle ever equal exactly half the measure of a supplement of the angle? Explain.
35. You are told that the measure of an acute angle is equal to the difference between the measure of a supplement of the angle and twice the measure of a complement of the angle. What can you deduce about the angle? Explain.

Application

Orienteering

The sport of orienteering involves finding your way from control point to control point in a wilderness area, using a map and protractor-type compass. Similar methods can be used by hikers, hunters, boaters, and backpackers.

One thing you want to be able to do is locate your position on the map. This can be done by taking sightings of specific objects. For example, suppose you can see a lookout tower (on Number Four Mountain at ● on the map shown below).

