

4. From the top of a pole 18.2 feet in height, the angle of depression to a marker on the ground is 37° . How far is the marker from the bottom of the pole?
5. To measure the height of a building, two sightings 60 feet apart are taken. If the first angle of elevation is 50° and the second angle of elevation is 38° , how high is the building?

Homework

Section 7.1 (p. 536)/ #1, 9, 11, 21, 31, 39, 43, 45, 48, 49, 51, 53, 58, 62

Answers for even-numbered problems:

48. 122.37 ft

58. 14.0°

62. 69.0°

