Elevation Depression Problem

1. From the top of a building 300 feet high, you see a parked car on a bridge, if the angle of depression is 60˚, how far is the car from the building?

In this problem, we don't know the ratio of sides for an angle measuring 20˚, s we will have to use the book or calculator to determine that value based on the trig ratio you chose.

2. A pilot reads the angle of depression from his position 5000 feet in the air is 20˚, how far is the plane from the airport?