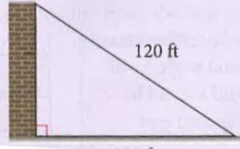
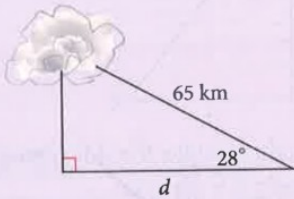


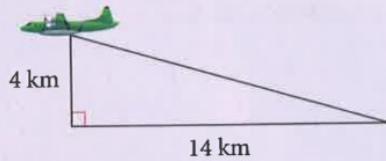
5. As part of basic training, Chandra must climb a slanted net to reach the top of a wall. The net is 120 ft long and is anchored to the ground 100 ft from the base of the wall. How high is the wall?



10. A meteorologist is tracking a cloud formation. The angle of the line of sight from the weather station to the cloud formation is 28° and the slant range is 65 km. Find the horizontal distance to the cloud formation.



13. An airplane climbing at a constant angle relative to the ground has reached an altitude of 4 km. At this point, the plane has travelled a horizontal distance of 14 km. What is the angle at which the airplane is climbing?



16. The angle of elevation to the top of the school is 37° from where you are standing 11.2 m from the wall of the school. Find the height of the school.

17. From a spot 60' from the base of a building, Shanav measures the angle of elevation to the top of the building to be 48° , and the angle of elevation to the top of an antenna on top of the building to be 56° .

- Find the height of the building.
- Find the height of the antenna.