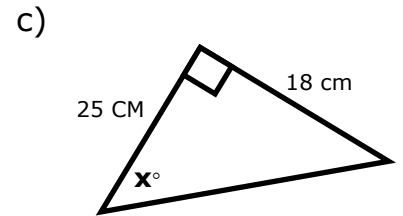
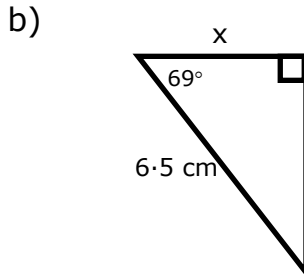
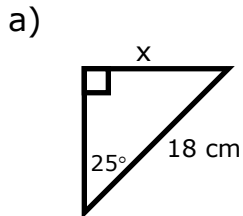


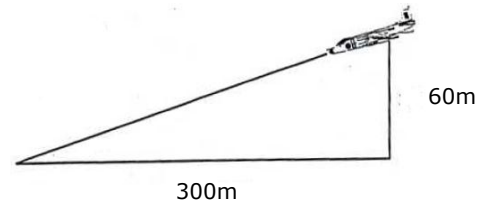
National 4 Homework Exercise 19 Trigonometry

Q1 Calculate the value of **X** in the diagrams below.
Round to 1 decimal place where appropriate.

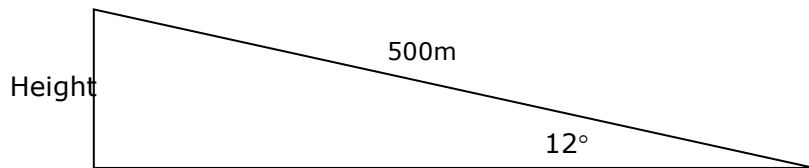


Q2 This diagram shows a plane coming into land.

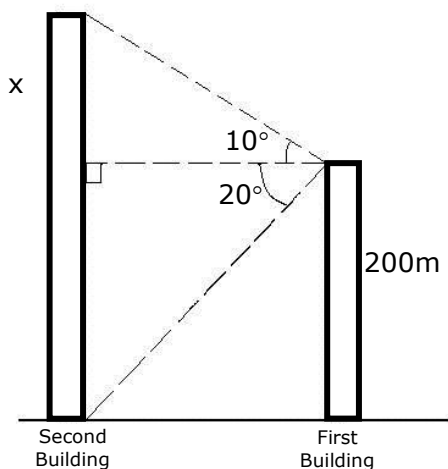
Calculate the angle of descent.



Q3 You are walking up a 500m path. The trail has an incline of 12° . What height have you walked up?



Q4



The diagram shows two buildings **550m** apart and the angles of depression and elevation from the top of the first building.

Find the height of the second building.