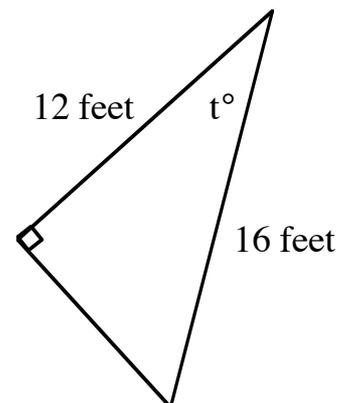
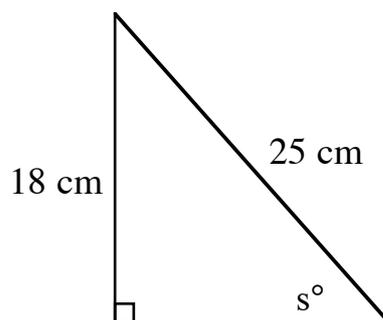
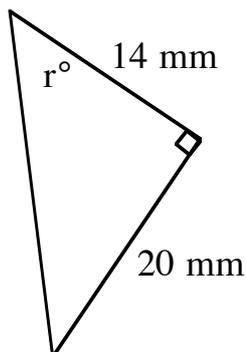
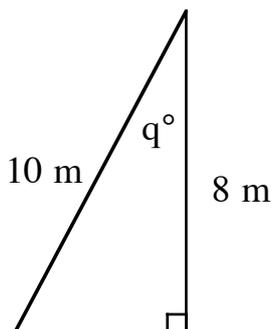
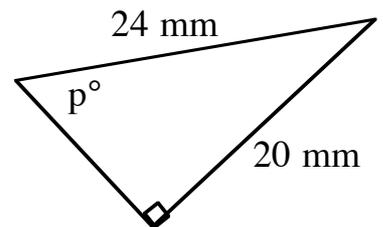
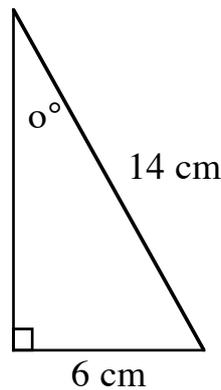
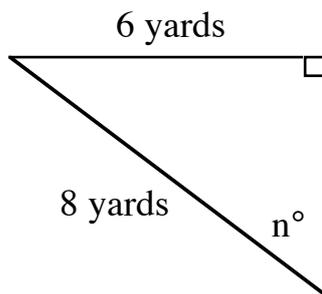
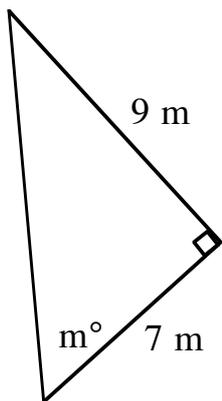
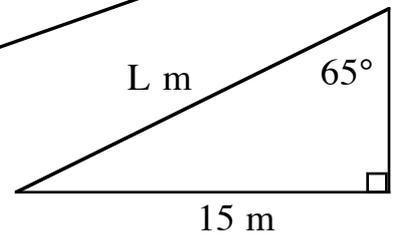
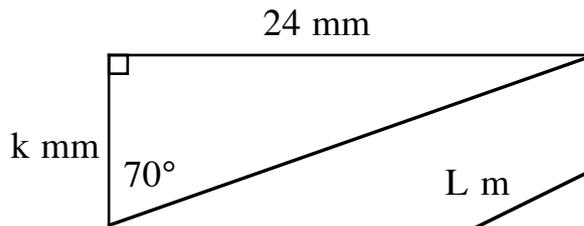
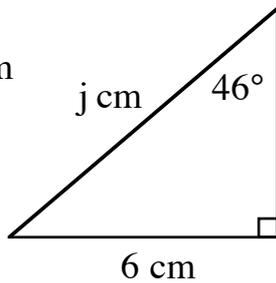
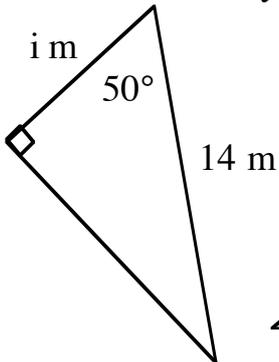
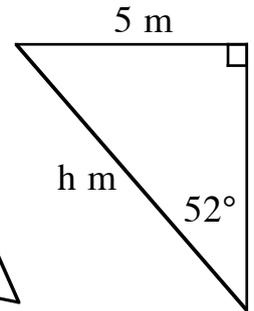
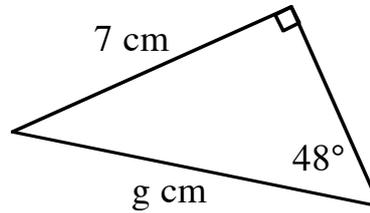
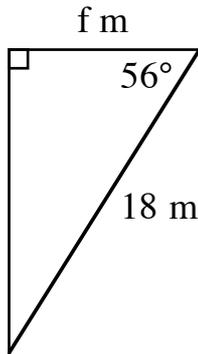
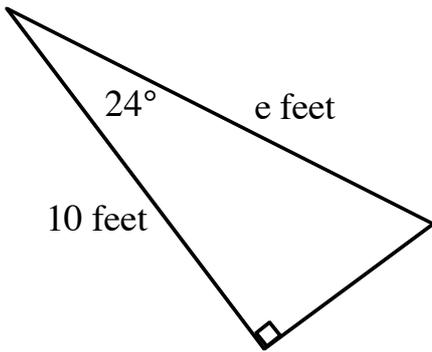
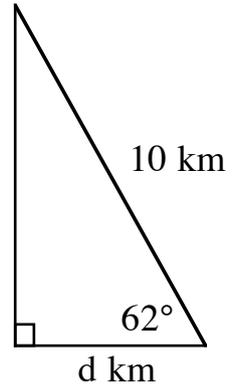
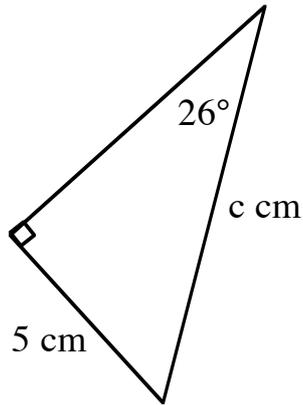
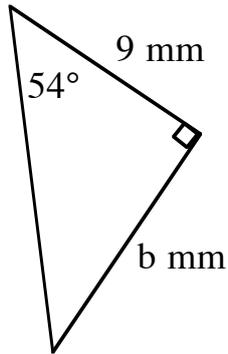
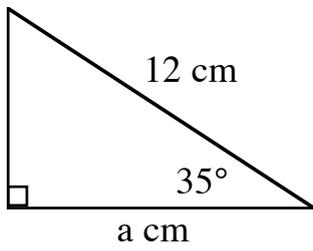


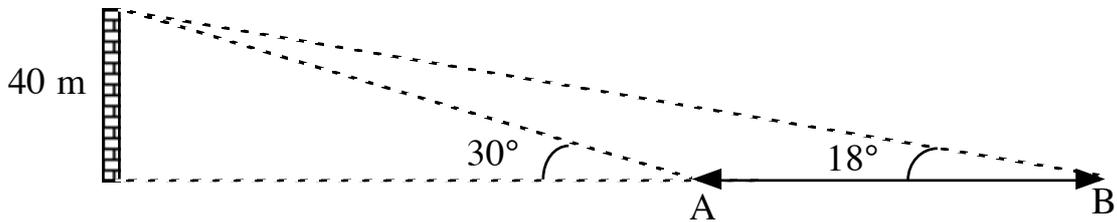
# TRIGONOMETRY

1. Find the values of a, b, c etc.



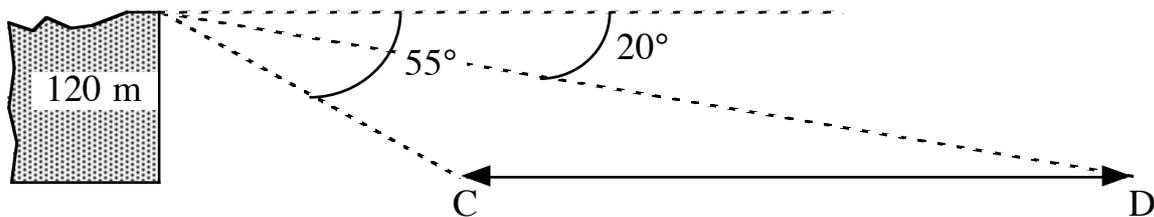
2. Two observers are at positions A and B.  
They each measure the angle of elevation of a 40 metre high chimney.  
The angles of elevation are  $30^\circ$  and  $18^\circ$  as shown.

Find the distance AB.



3. From the top of a 120 metre high cliff two boats are observed at positions C and D.  
The angles of depression are  $55^\circ$  and  $20^\circ$  as shown.

Find the distance CD.



4. Two observers are at positions E and F.  
They each measure the angle of elevation of a 60 metre mast.  
The angles of elevation are  $38^\circ$  and  $44^\circ$  as shown.

Find the distance EF.

