K Education Centre

KEC

GCSE Maths - Higher

Pythagoras Theorem And Trigonometry -2

Assignment Questions

Q1 : Shyam paces out 100 m from the base of a tower. The angle to the top of tower is 25^0. How much is the height of the tower ?
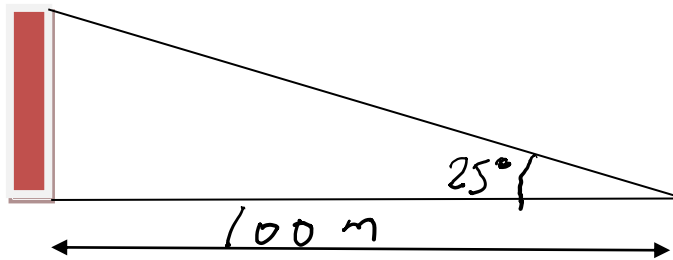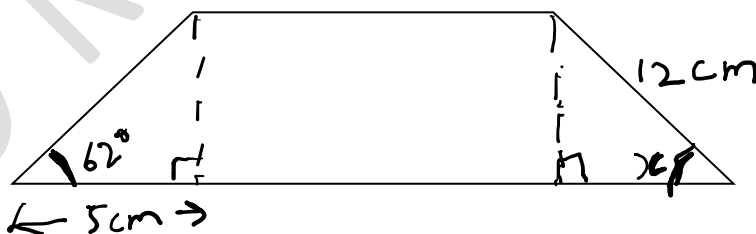

Q2: Calculate the angle that the diagonal makes with the long side of rectangle that measures 14 cm by 8 cm

Q3 : A ladder of length 10 m , is placed so that it reaches 9 m up the wall. What angle does it make with the ground?

Q4: From the top of the cliff , 75 m high , Thomas sees a boat out at sea. The angle of depression from Thomas to the boat is 38^0. How far from the base of the cliff is the boat?

Q5: Raghav wants to find the height of the building. He stands 80 m away from the building. The angle of elevation from Raghav to top of the building is about 25^0 . How tall is the building?

Q6: This shape is made from two right-angled triangles and a rectangle. Work out the size of angle x.

Q7 : Find the missing angle.