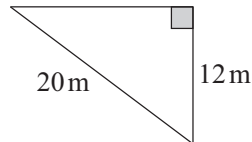


TASK 4.7

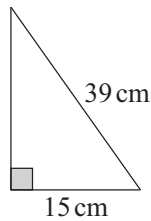
You may use a calculator. Give answers to 2 d.p.

1. A rectangle has length 9 cm and width 7 cm. Calculate the length of its diagonal.

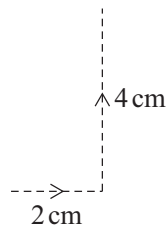
2. Calculate the perimeter of this triangle.



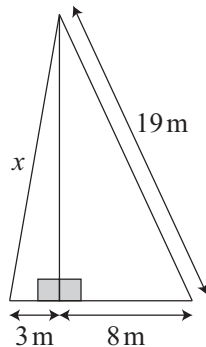
3. A ladder of length 7.5 m reaches 5.5 m up a vertical wall. How far is the foot of the ladder from the wall?
4. A plane flies 100 km due south and then a further 150 km due east. How far is the plane from its starting point?
5. Calculate the area of this triangle.



6. A knight on a chessboard moves 2 cm to the right then 4 cm forwards. If the knight moved *directly* from its old position to its new position, how far would it move?



7. Find x .



8. Calculate the length of the line joining (1, 3) to (5, 6).
9. Calculate the length of the line joining $(-2, -5)$ to $(3, 7)$.
10. Find the height of each isosceles triangle below:

