

Pythagorean Theorem

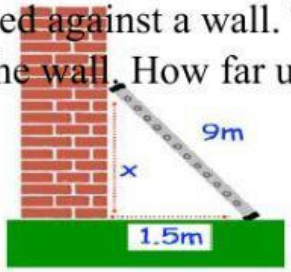
Name: _____ **Number:** ___ **Grade:** 8/_

Test 1 (10 points)

Apply

Workout by dropping your answers

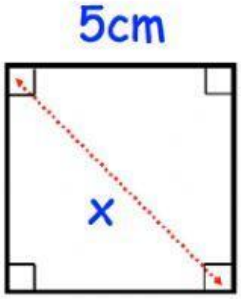
Question 1: A 9m ladder is placed against a wall. The foot of the ladder is 1.5m from the foot of the wall. How far up the wall does the ladder reach?



Answer (m):

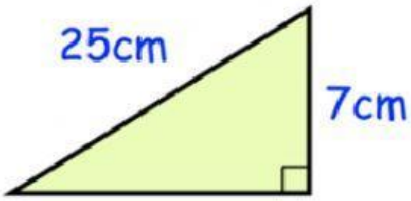
Question 2: Shown is a square with side length 5cm.

Find the length of the diagonal, x.



Answer (cm):

Question 3: Shown is a right-angle triangle. Calculate



(a) the perimeter of the triangle.

(b) the area of the triangle

Answer: (a-cm): (b-cm^2):

Question 4: A rectangle is 20cm long and 8cm wide. Find the length of the diagonal of the rectangle.

Answer(cm):

LIVEWORKSHEETS

Drag your answers from the table below and drop it appropriately.

22.80	56	84	21.54	8.87	17.55
7.07	8.77	11.31	43.3	186.82	

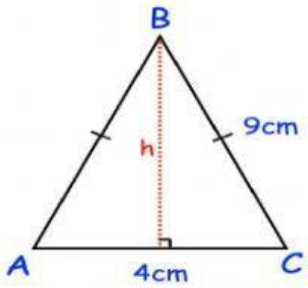
Question 5: An airplane is lying from Redville to Leek. The airplane lies 50miles East and then 180miles South. How far is Leek from Redville directly?



Answer (miles):

Question 6: ABC is an isosceles triangle.

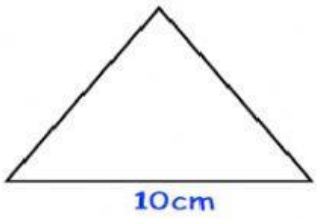
(a) Find h.
(b) Find the area of the triangle.



Answer: (a-cm):

(b-cm^2):

Question 7: Shown is an equilateral triangle. Find the area of the equilateral triangle.



Answer(cm^2):

Question 8: Stanley has drawn a right-angle triangle. One side is 14cm and another is 18cm. There are two possible lengths for the third side. What are they?

Answer(cm): (i) (ii)

Click on finished, get your answer, take pictures and send via line ID:gpower11 or classpoint.app through the code displayed. **T.OJO**

LIVEWORKSHEETS