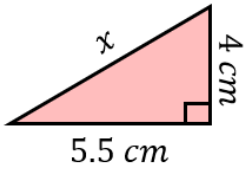
Pythagoras' Theorem Revision

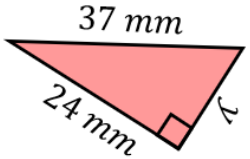
(a)

Find the value of x to 1 decimal place.



(b)

Find the value of y to 3 significant figures.

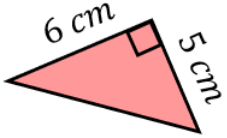


(c)

A triangle has sides of lengths $10.5\ cm$, $12\ cm$ and $16.5\ cm$. Is the triangle right-angled? Explain your answer.

(d)

Find the perimeter of the triangle to 3 significant figures.

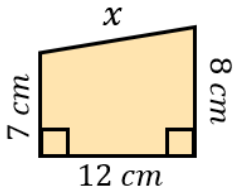


(e)

Find the distance between the coordinates $(1, 6)$ and $(3, 2)$, giving an exact answer.

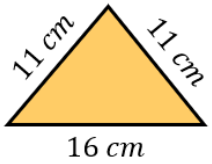
(f)

Find the value of x to 3 significant figures.



(g)

Find the area of the isosceles triangle to 1 decimal place.

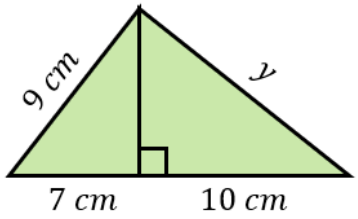


(h)

From point A, a boat sails 80 km east. It then turns and sails 110 km south to point B. Find the distance AB to the nearest km.

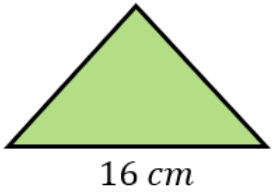
(i)

Find the value of y to 3 significant figures.



(j)

The area of the isosceles triangle is $40\ cm^2$. Find the perimeter of the triangle, to 1 decimal place.



(k)

Find the length of the line AB, giving your answer to 3 significant figures.