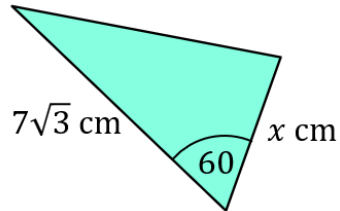


Algebraic Problems involving Area of Non Right-Angled Triangles

(a)

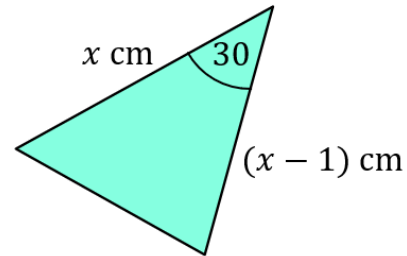
Given the area is 21 cm^2 , find the value of x



$$x = 4$$

(b)

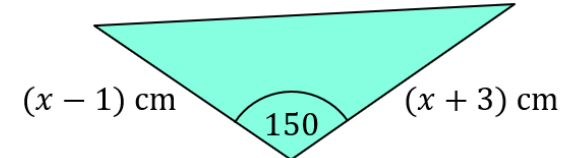
Given the area is 7.5 cm^2 , find the value of x



$$x = 6$$

(c)

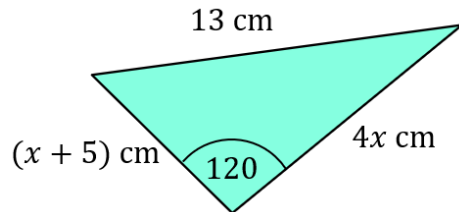
Given the area is 8 cm^2 , find the value of x



$$x = 5$$

(d)

Find the exact area of the triangle.

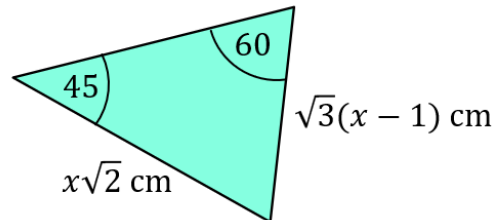


$$x = 2$$

$$A = 14\sqrt{3}$$

(e)

Find the exact area of the triangle.

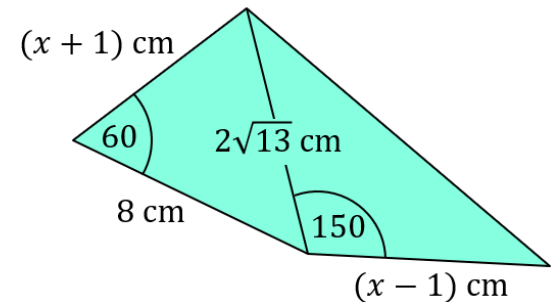


$$x = 3$$

$$A = \frac{9 + 3\sqrt{3}}{2}$$

(f)

Find the exact area of the quadrilateral.



$$x = 5$$

$$A = 12\sqrt{3} + 2\sqrt{13}$$