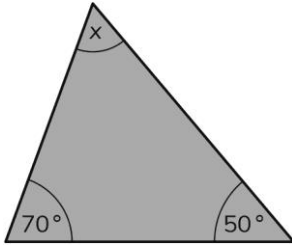


1. Work out the size of angle x in each of these triangles.

a.

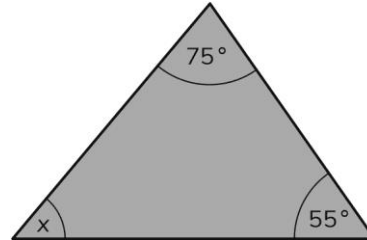


$$70^\circ + 50^\circ = \underline{120}^\circ$$

$$180^\circ - \underline{120}^\circ = \underline{60}^\circ$$

$$x = \underline{60}^\circ$$

b.

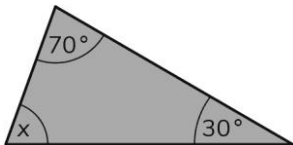


$$75^\circ + \underline{55}^\circ = \underline{130}^\circ$$

$$180^\circ - \underline{130}^\circ = \underline{50}^\circ$$

$$x = \underline{50}^\circ$$

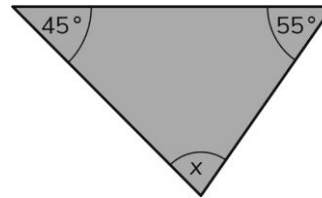
c.



$$70^\circ + \underline{30}^\circ = \underline{100}^\circ$$

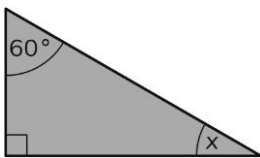
$$x = \underline{80}^\circ$$

d.



$$x = \underline{80}^\circ$$

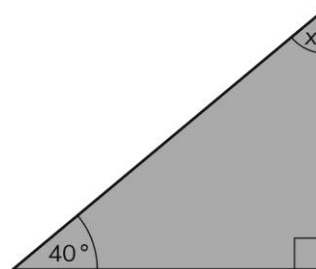
e.



$$90^\circ + 60^\circ = \underline{150}^\circ$$

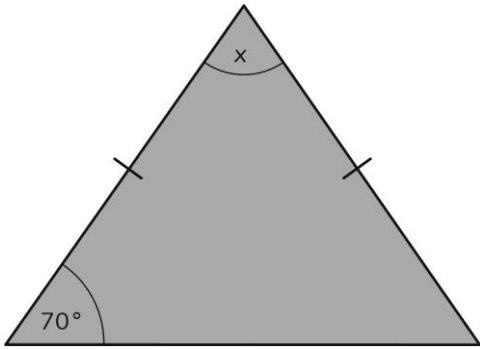
$$x = \underline{30}^\circ$$

f.



$$x = \underline{50}^\circ$$

g.

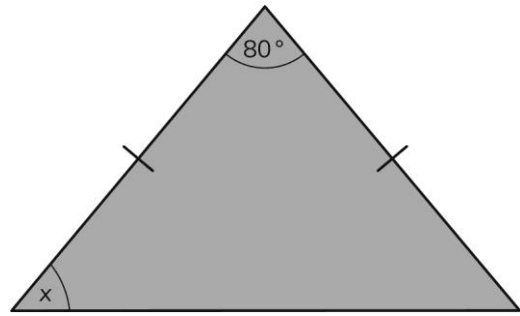


$$70^\circ + 70^\circ = \underline{140}^\circ$$

$$180^\circ - 140^\circ = 40^\circ$$

$$x = 40^\circ$$

h.



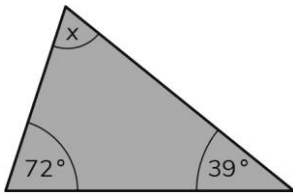
$$180^\circ - 80^\circ = \underline{100}^\circ$$

$$\underline{100}^\circ \div 2 = \underline{50}^\circ$$

$$x = 50^\circ$$

Work out the size of angle  $x$  in each of these triangles.

i.

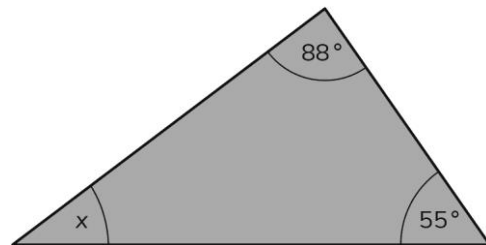


$$72^\circ + 39^\circ = \underline{111}^\circ$$

$$180^\circ - \underline{111}^\circ = \underline{69}^\circ$$

$$x = \underline{69}^\circ$$

j.



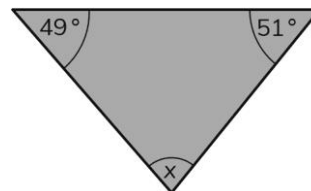
$$x = \underline{37}^\circ$$

k.



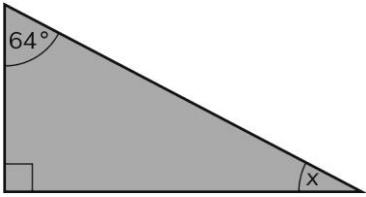
$$x = \underline{47}^\circ$$

m.



$$x = \underline{80}^\circ$$

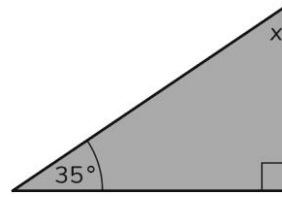
5



$$90^\circ + \underline{64^\circ} = \underline{154^\circ}$$

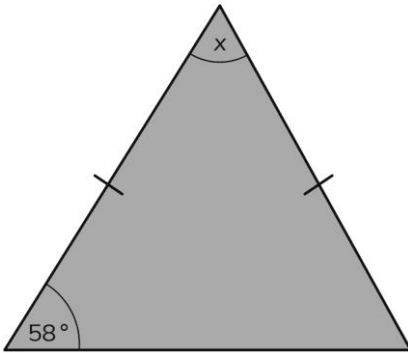
$$x = \underline{26^\circ}$$

6



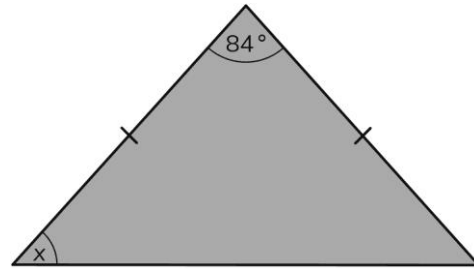
$$x = \underline{55^\circ}$$

7



$$x = \underline{64^\circ}$$

8



$$x = \underline{48^\circ}$$

## 2. Write the correct word for each statement .

a This angle is found in squares and certain types of triangles.

right angle

b If you followed the hands of an analogue clock, you would go in this direction.

Clockwise

c This angle is forty-five degrees.  
What kind of angle is it?

Acute angle

d Which degree is in the middle of a protractor?

\_\_\_\_\_  $90^\circ$  \_\_\_\_\_

e What is the angle of a straight line?

straight angle

f This angle is one hundred and sixty degrees. What kind of angle is it?

\_\_\_\_\_ Obtuse angle \_\_\_\_\_

g All the angles in this triangle are sixty degrees. What kind of triangle is it?

\_\_\_\_\_ equilateral triangle \_\_\_\_\_

h This angle is two hundred and ten degrees. What kind of angle is it?

\_\_\_\_\_ reflex angle \_\_\_\_\_

i The angles in this triangle are thirty, seventy and eighty degrees. What kind of triangle is it?

\_\_\_\_\_ Scalene \_\_\_\_\_

j The angles in this triangle are seventy-five, seventy-five and thirty degrees. What kind of triangle is it?

\_\_\_\_\_ isosceles triangle \_\_\_\_\_

Draw an obtuse angle of  $120^\circ$ .

