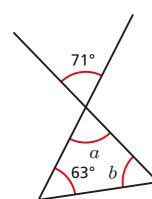
## R©se Maths

## Solve complex angle problems

Work out the sizes of the unknown angles. Give reasons for each stage of your working.

a)

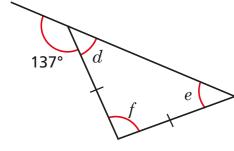


<i>a</i> =	because	
	l	

<i>b</i> =	because

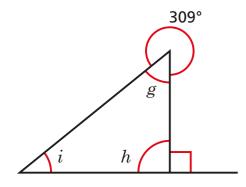
b)





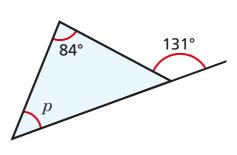
f =  because
--------------

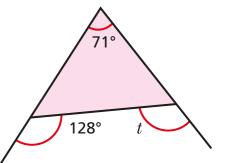
c)



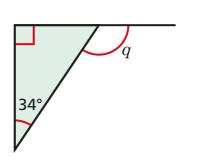
Work out the sizes of the unknown angles.

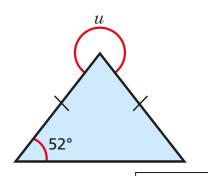
a)





e)



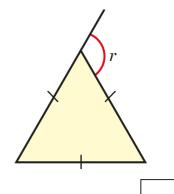


c)

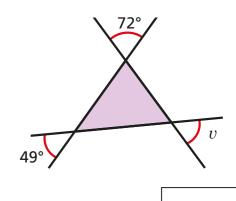
d)

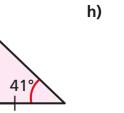
122°

b)

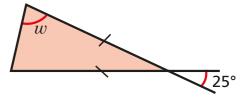










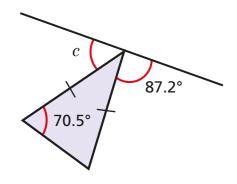


Talk about your reasons with a partner.

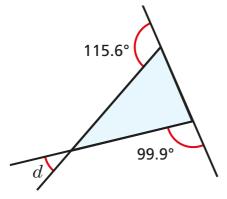


Work out the sizes of the unknown angles.



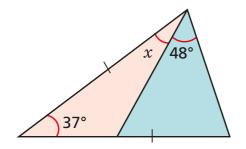


b)



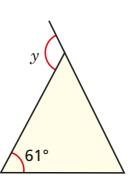
$$d = |$$

Work out the size of angle x.

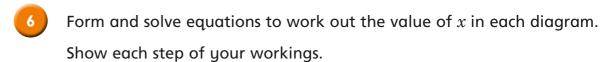


$$x =$$

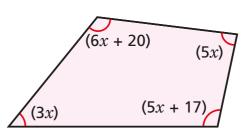
5 Here is an isosceles triangle. Find two possible sizes of angle *y*.



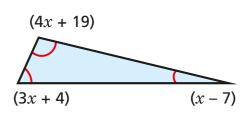
$$y = \boxed{ }$$
 or







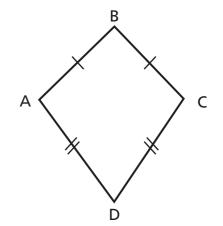
b)



$$x =$$

$$x =$$

ABCD is a kite.



a) Estimate the size of each angle in the kite.

b) Given that p = 20, write a possible expression for the size of each angle in terms of p.

Compare answers with a partner.



