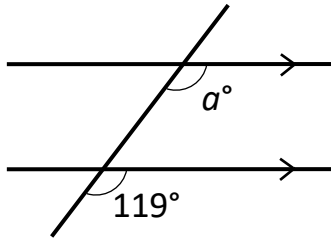


Quiz 6

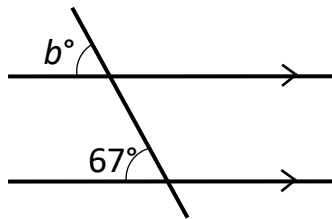


**Part A**

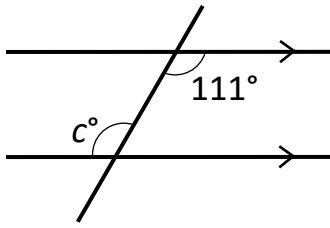
1) What is the size of angle marked  $a$ ? Give reasons for your answer.



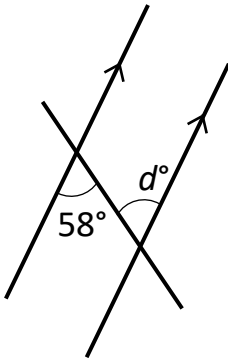
2) What is the size of angle marked  $b$ ? Give reasons for your answer.



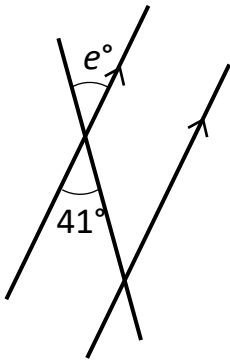
3) What is the size of angle marked  $c$ ? Give reasons for your answer.



4) What is the size of angle marked  $d$ ? Give reasons for your answer.

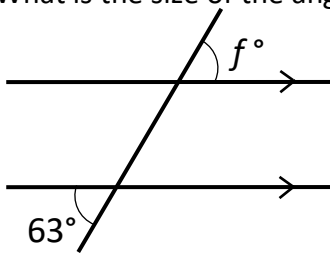


5) What is the size of angle marked  $e$ ? Give reasons for your answer.

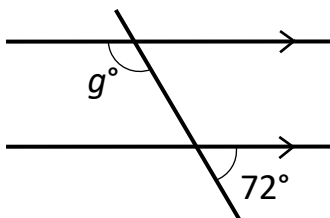


**Part B**

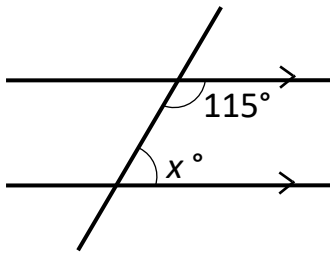
1) What is the size of the angle marked  $f$ ? Give reasons for your answer.



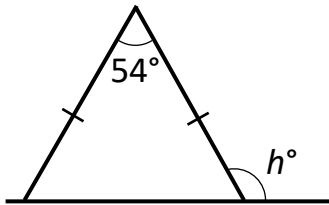
2) What is the size of the angle marked  $g$ ? Give reasons for your answer.



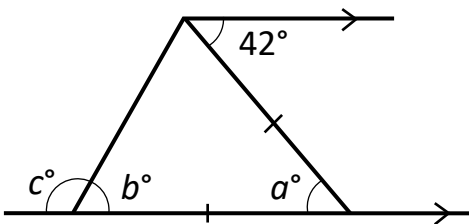
3) What is the size of the angle marked  $x$ .



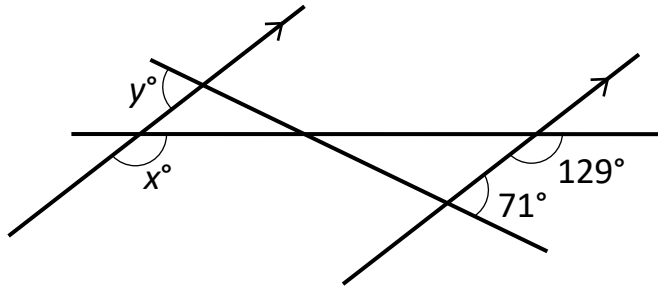
4) What is the size of the angle marked  $h$ ? Give reasons for your answer.



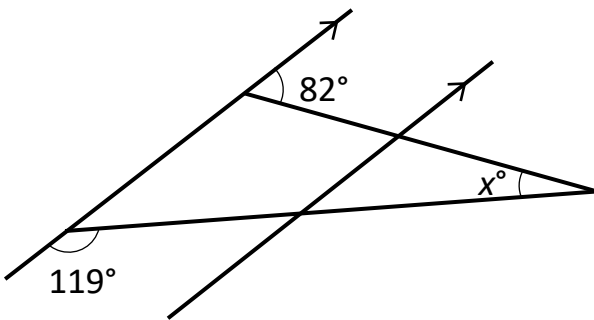
5) Find the size of angle  $a$ ,  $b$  and  $c$ . Give reasons for your answers.



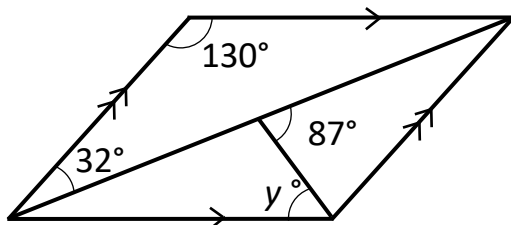
6) Find the size of angle  $x$  and  $y$ . Give reasons for your answers.



7) Find the size of the angle marked  $x$ . Give reasons for your answer.



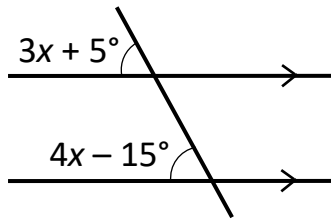
8) Find the size of angle  $y$ . Give reasons for your answer.



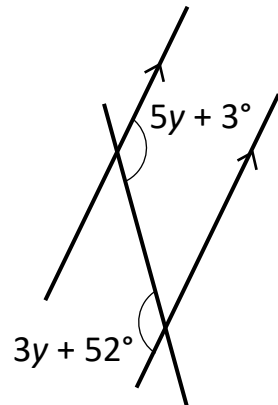
**Part C**

All of the following questions include algebra.

1) Find the value for  $x$ .



2) Find the value of  $y$ .



3) Find the value of  $a$ .

