General practice

QT Angles in Parallel Lines

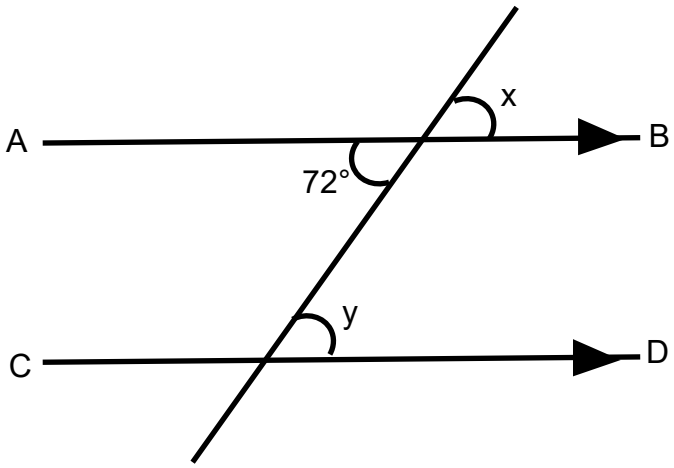
1. AB and CD are parallel lines.

(a) Write down the size of angle x.

(b) Give a reason for your answer.

(c) Write down the size of angle y.

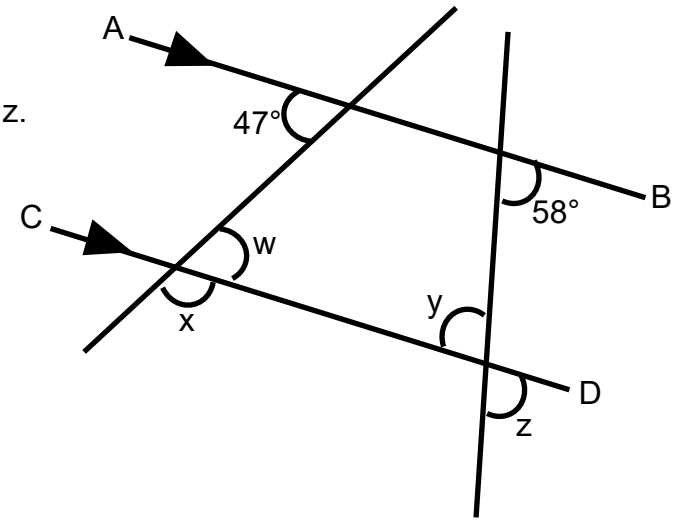
(d) Give a reason for your answer.



2. AB and CD are parallel lines.

Write down the sizes of angles w, x, y and z.

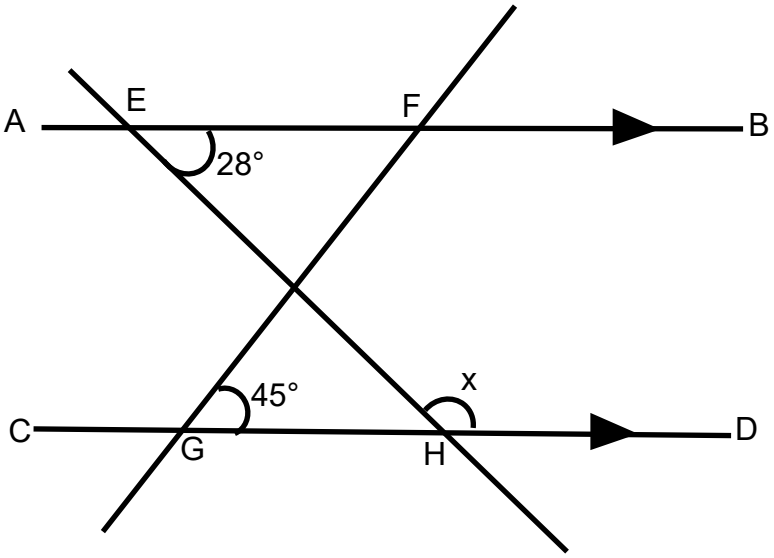
Give a reason for each of your answers.



3. AB and CD are parallel lines.

Find the size of angle x.

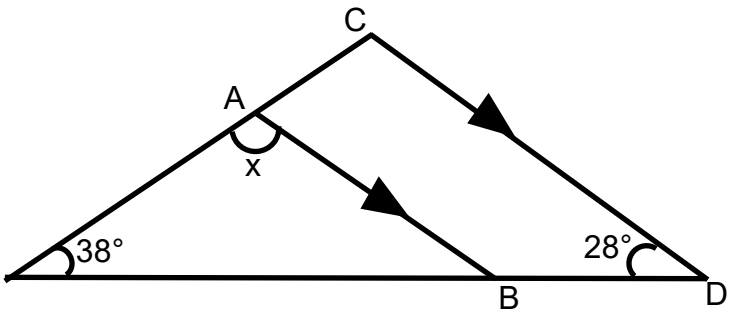
Give a reason for your answer.



4. AB and CD are parallel lines.

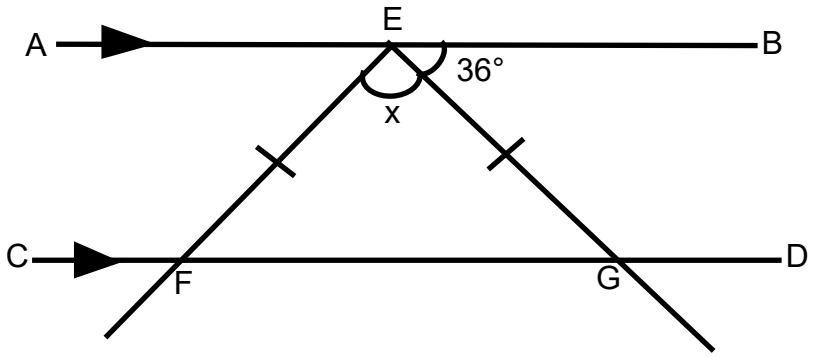
Find the size of angle x.

Give a reason for your answer.



5. AB and CD are parallel lines. EFG is an isosceles triangle. Angle BEG = 36°.

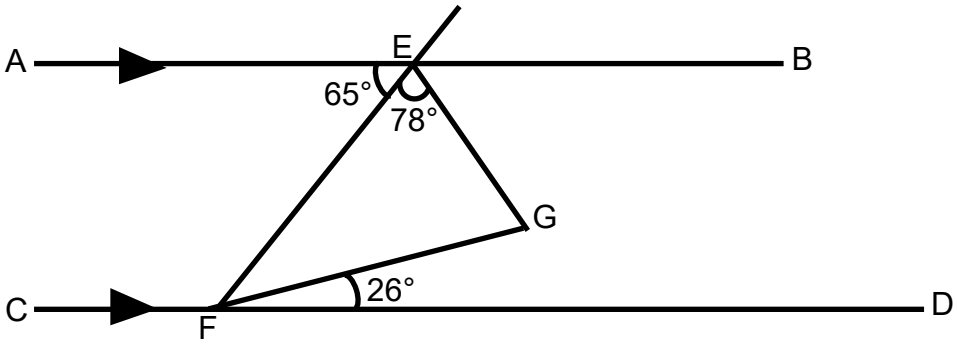
Find the size of angle x. Give a reason for each stage of your working.



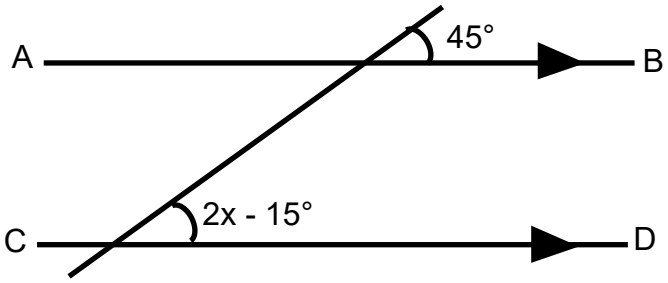
6. AB and CD are parallel lines.

(a) Find the size of EFG. Give a reason for each stage of your working.

(b) Find the size of EGF. Give a reason for each stage of your working.



7. AB and CD are parallel lines. Find the value of x.



8. AB and CD are parallel lines. Find the value of x. Give reasons for each step of your working.