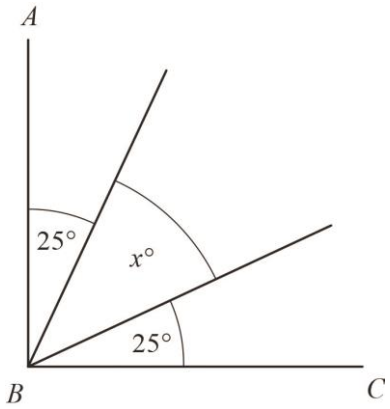
PRACTICE QUESTION (1) – TOTAL 5 MARKS

12 *AB* and *BC* are perpendicular lines.

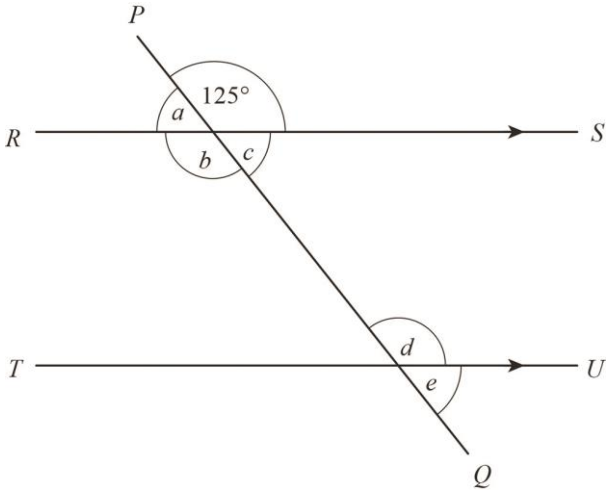


(a) Find the value of x.

x = ... **(2)**

RS and *TU* are parallel lines.
PQ is a straight line.

An angle of size 125° is shown on the diagram.



(b) (i) Write down the letter of one other angle of size 125°
Give a reason for your answer.

.....
.....**(2)**

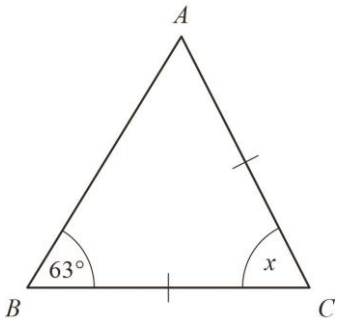
(ii) Explain why $a + b + c = 235°$

.....
.....**(1)**

Q12 from June 2019, 1MA1/1F

PRACTICE QUESTION (2) – TOTAL 2 MARKS

15 Mary needs to work out the size of angle x in this diagram.



She writes

$x = 63°$ because base angles of an isosceles triangle are equal.

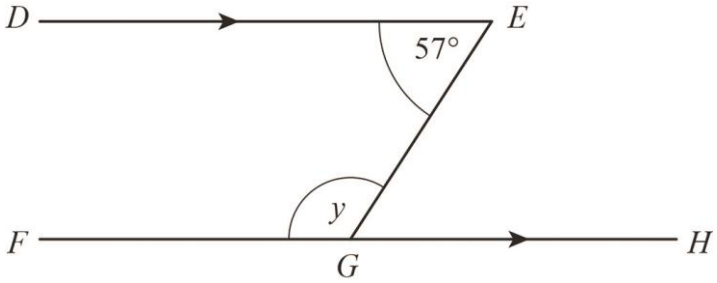
Mary is wrong.

(a) Explain why.

……

……**(1)**

William needs to work out the size of angle y in this diagram.



William writes

Working	**Reason**
angle $EGH = 57°$	because corresponding angles are equal
$y = 180° - 57°$ $y = 123°$	because angles on a straight line add up to 180°

One of William's reasons is wrong.

(b) Write down the correct reason.

……

……**(1)**

Q15 from June 2018, 1MA1/2F