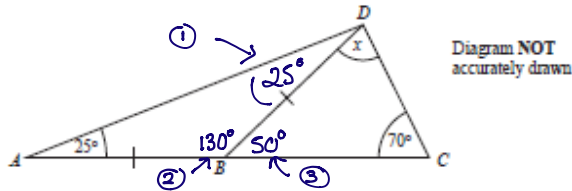


OOPS!

Below is a worked solution to a question that I feel you could have gained more marks on ..



ABC is a straight line

AB = BD

Angle BAD = 25°

Work out the size of the angle marked x

Give reasons for your answer

As you work angles out write them on the picture ... it will help!

① Triangle ABD is isosceles and $\hat{A}DB = \hat{B}AD$

② $\hat{A}BD = 130^\circ$ because angles in a triangle add up to 180° (4)
 $25 + 25 = 50$ $180 - 50 = 130^\circ$

③ $\hat{D}BC = 50^\circ$ angles on a straight line at a point = 180°

④ $x = 60^\circ$ because angles in a triangle add up to 180°

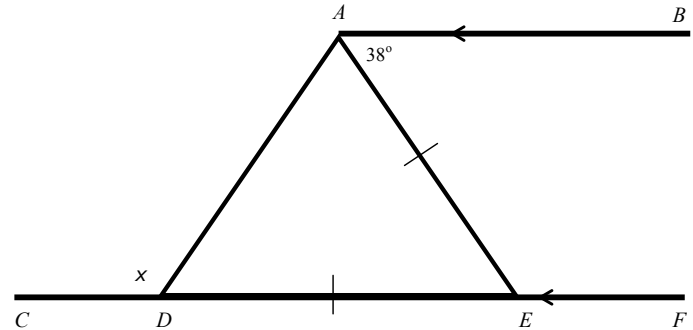
$$50 + 70 = 120 \quad 180 - 120 = \underline{\underline{60^\circ}}$$

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

Remember to give all your reasons 😊

FACEPALM!!

NOW HAVE A GO AT THIS:



CDEF is a straight line.

AB is parallel to CF.

DE = AE

Work out the size of the angle marked x.

You must give reasons for your answer.

(4)