Angles Past Paper Questions Edexcel – None Calculator

1.
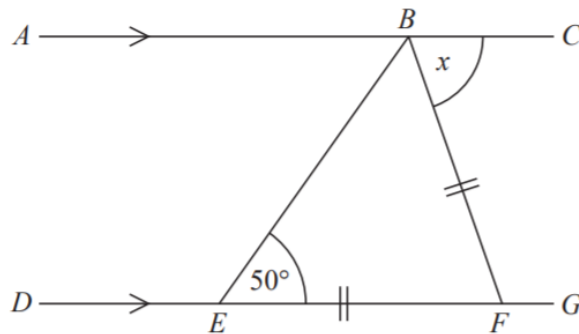

Diagram **NOT** accurately drawn

ABC is a straight line.
DEFG is a straight line.
AC is parallel to *DG*.
EF = *BF*.
Angle *BEF* = 50°.

Work out the size of the angle marked *x*.
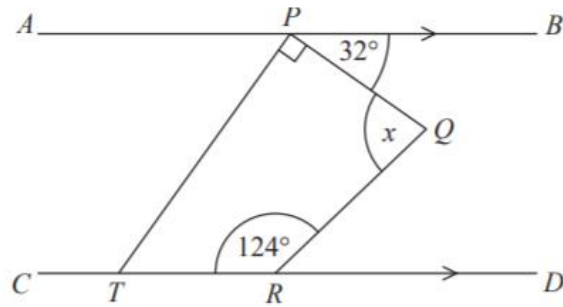Give reasons for your answer.

2.

Diagram **NOT** accurately drawn

APB is parallel to *CTRD*.
PQRT is a quadrilateral.

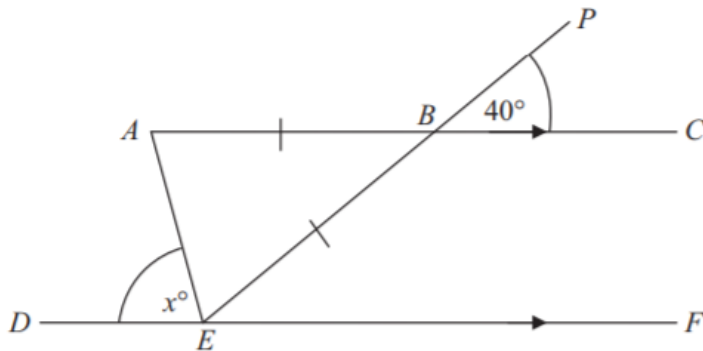Work out the size of the angle marked *x*.
You must show your working.

3.

Diagram **NOT** accurately drawn

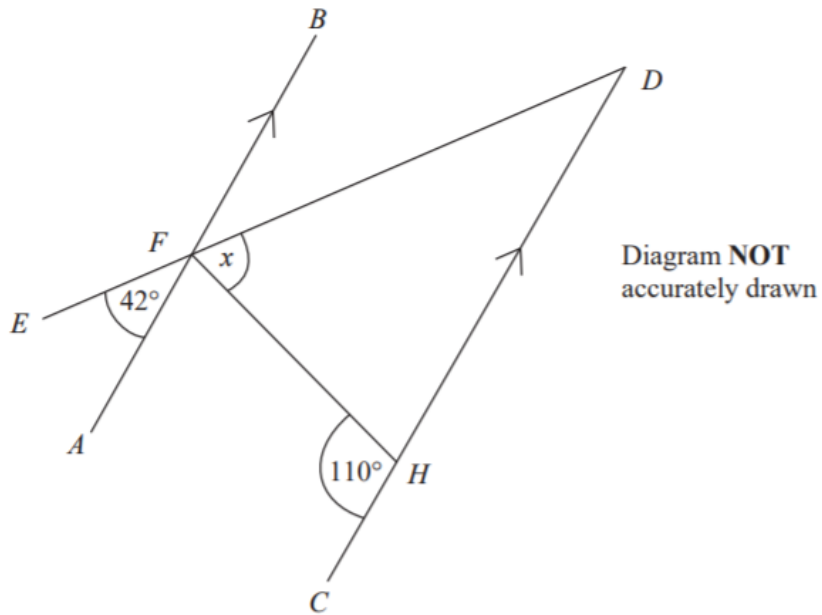*ABC* is parallel to *DEF*.
EBP is a straight line.
AB = EB.
Angle *PBC* = 40°.
Angle *AED* = x°.

Work out the value of *x*.
Give a reason for each stage of your working.

4.

Diagram **NOT** accurately drawn

AFB and *CHD* are parallel lines.
EFD is a straight line.

Work out the size of the angle marked *x*.

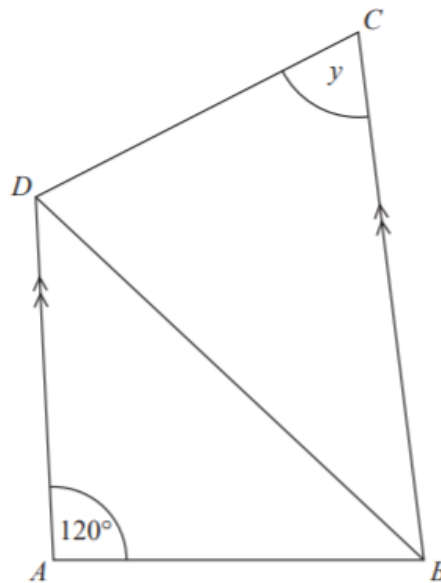$x =$ .... °

5.

Diagram **NOT** accurately drawn

BCD and ABD are isosceles triangles.
$AB = AD$
$BC = BD$

AD is parallel to BC.

Work out the size of angle y.
You must give reasons for your answer.