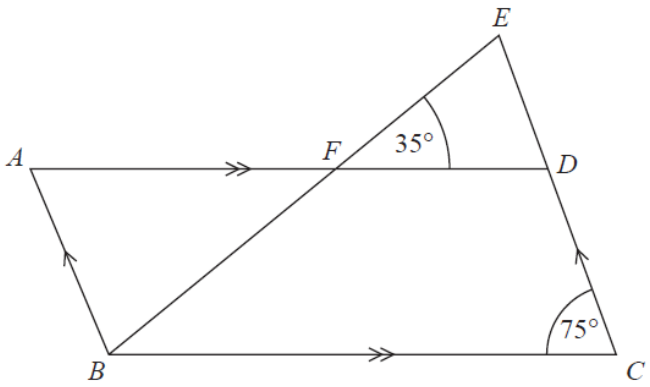
1



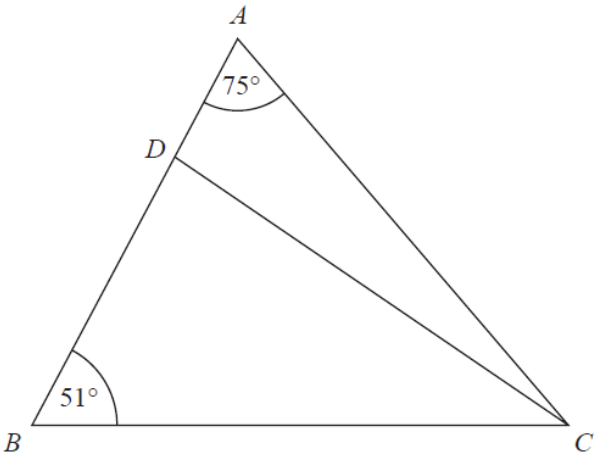
ABCD is a parallelogram.
EDC is a straight line.
F is the point on *AD* so that *BFE* is a straight line.

Angle *EFD* = 35°
Angle *DCB* = 75°

Show that angle *ABF* = 70°
Give a reason for each stage of your working.

(Total for Question is 4 marks)

2 The diagram shows triangle ABC.



ADB is a straight line.

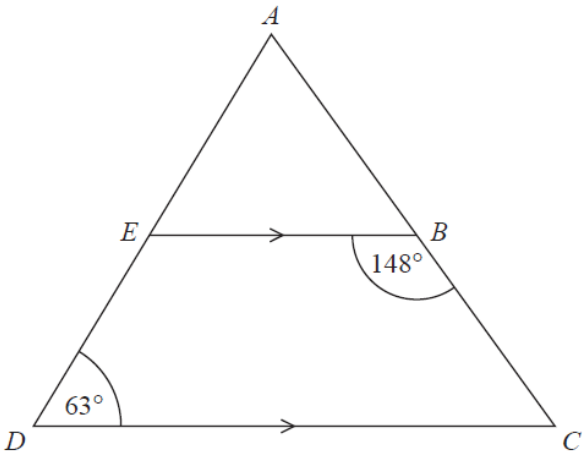
the size of angle DCB : the size of angle ACD = 2 : 1

Work out the size of angle BDC.

.....°

(Total for Question is 4 marks)

3 *ADC* is a triangle.



AED and *ABC* are straight lines.
EB is parallel to *DC*.

Angle *EBC* = 148°
Angle *ADC* = 63°

Work out the size of angle *EAB*.
You must give a reason for each stage of your working.

(Total for Question is 5 marks)