

- 5 Without using your calculator, and showing all your working,  
express  $\frac{12}{3 - \sqrt{5}}$  in the form  $a + b\sqrt{5}$  where  $a$  and  $b$  are integers.

(Total for Question 5 is 2 marks)

6

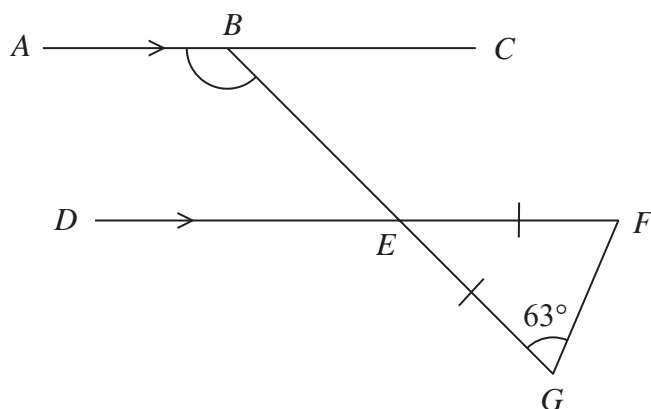


Diagram **NOT**  
accurately drawn

In the diagram,  $ABC$  is parallel to  $DEF$ .  
 $BEG$  is a straight line and  $\triangle EFG$  is isosceles with  $EF = EG$  and  $\angle EGF = 63^\circ$

Find the size, in degrees, of  $\angle ABE$ .

$\angle ABE = \dots\dots\dots^\circ$

(Total for Question 6 is 3 marks)

