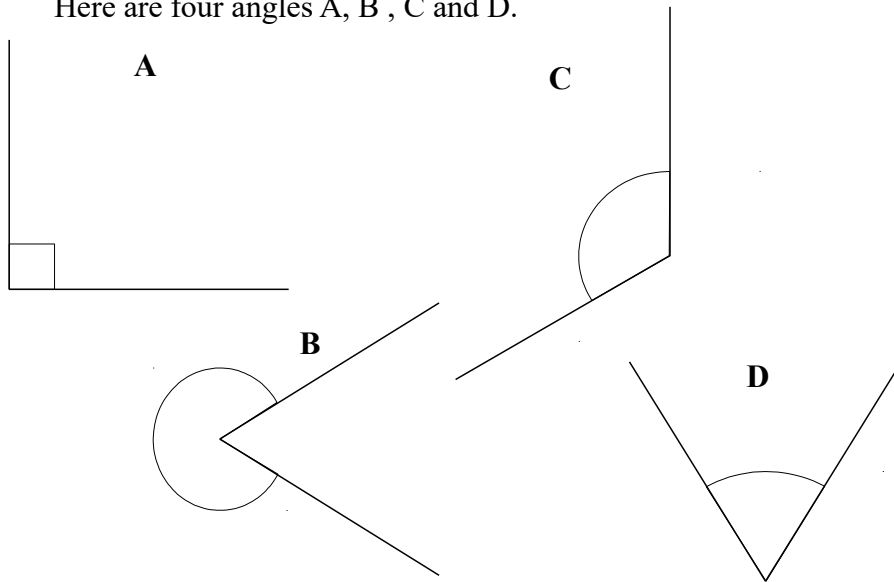


- 1 Here are four angles A, B, C and D.



- (a) Measure the size of angle C.  
 (b) Match the angle mathematical name to the angle.

Mathematical Name	Angle
Acute Angle	
Obtuse Angle	
Right Angle	
Reflex Angle	

(Total for question 1 is 3 marks)

- 2 Draw an angle of  $60^\circ$   
 Label the angle  $A$ .

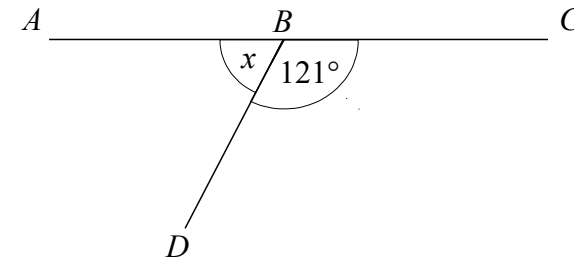
(Total for question 2 is 1 mark)

- 3 Draw an angle of  $110^\circ$   
 Label the angle  $B$ .

(Total for question 3 is 1 mark)

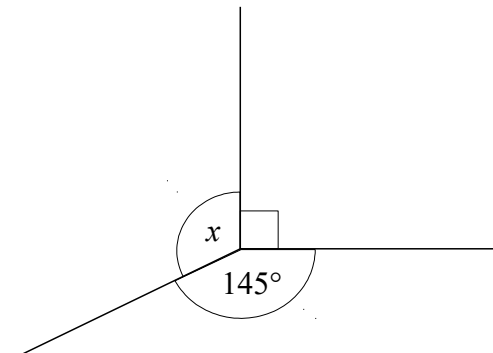
Diagrams are NOT accurately drawn, unless otherwise indicated.

- 4  $ABC$  is a straight line. Work out the size of the angle marked  $x$ .



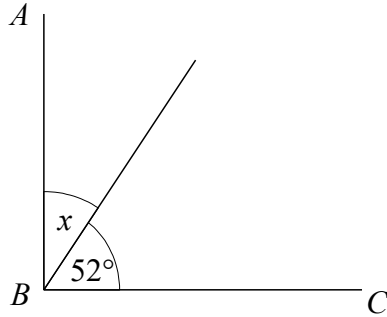
(Total for question 4 is 2 marks)

- 5 Work out the size of the angle marked  $x$ .



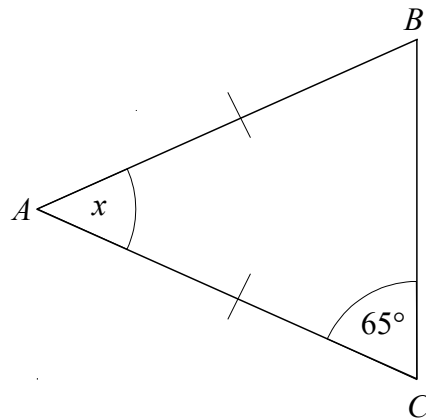
(Total for question 5 is 2 marks)

- 6 *AB* and *BC* are perpendicular lines.  
Work out the size of the angle marked  $x$ .



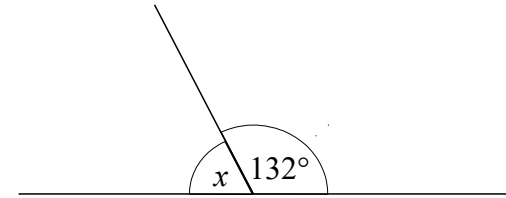
(Total for question 6 is 2 marks)

- 7 *ABC* is an isosceles triangle. Work out the size of the angle marked  $x$ .



(Total for question 7 is 2 marks)

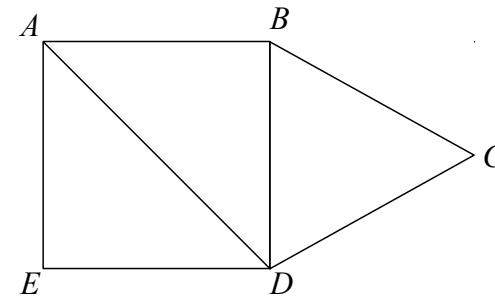
8



- (a) Work out the size of the angle marked  $x$   
(b) Give a reason for your answer.

(Total for question 8 is 2 marks)

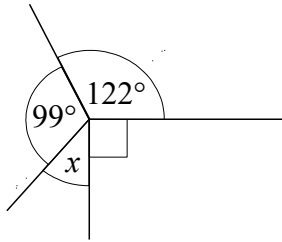
- 9 The diagram shows a square *ABDE* and an equilateral triangle *BCD*.



- (a) Write down the size of angle *ABD*  
(b) Write down the size of angle *BCD*  
(c) Find the size of angle *ADC*

(Total for question 9 is 4 marks)

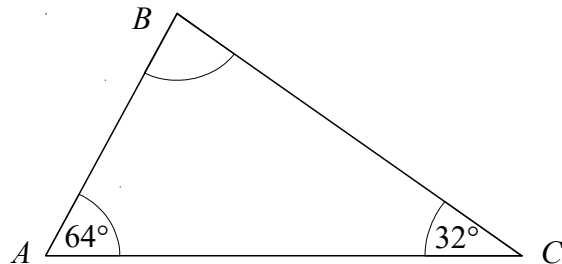
10



- (a) Work out the size of the angle marked  $x$ .  
 (b) Give a reason for your answer.

(Total for question 10 is 2 marks)

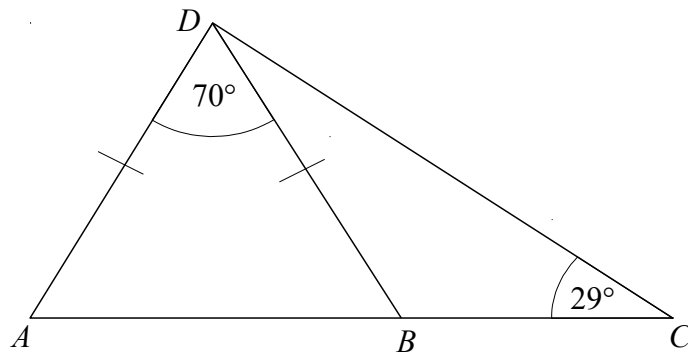
11



- (a) Work out the size of the angle  $ABC$ .  
 (b) Give a reason for your answer.

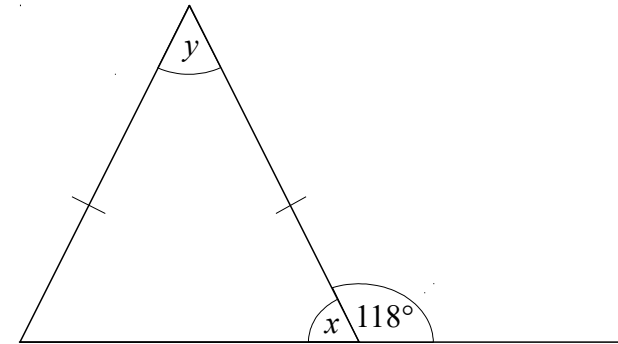
(Total for question 11 is 2 marks)

12  $ABC$  is a straight line. Work out the size of the angle  $BDC$ .



(Total for question 12 is 4 marks)

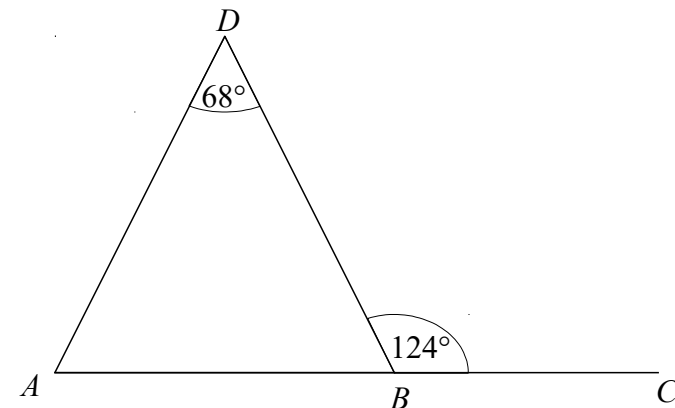
13



- (a) Work out the size of the angle marked  $x$ .  
 (b) Work out the size of the angle marked  $y$ .  
 (c) Give reasons for your answer.

(Total for question 13 is 3 marks)

14  $ABC$  is a straight line.



Show that  $ABD$  is an isosceles triangle

(Total for question 14 is 4 marks)