Name: _____

ASM Tuition Academy

ANGLES

Instructions:

- Use **black** ink or ball-point pen.
- Answer all questions.
- Answer the questions in the spaces provided
  - there may be more space than you need.
- Diagrams are **NOT** accurately drawn, unless otherwise indicated.
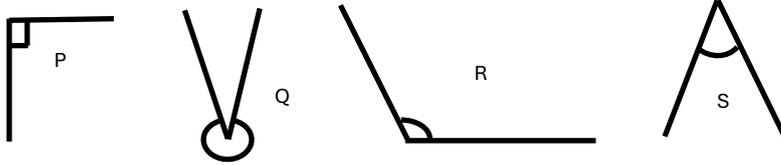- You must **show all you're working out.**

Information:

- The marks for each question are shown in brackets
  - use this as a guide as to how much time to spend on each question.

Advice:

- Read each question carefully before you start to answer it.
- Keep an eye on time.
- Try to answer every question.
- Check your answers if you have time at the end.

Q1. Here are the four Angles P, Q, R and S.

(a) Measure the size of angle C.

(b) Match the angle mathematical name to the angle.

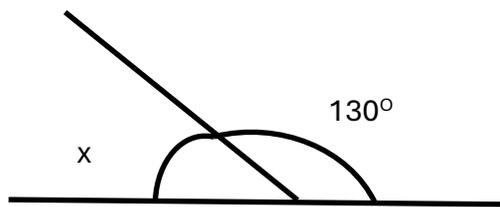| Mathematical Name	Angle
Acute Angle	
Obtuse Angle	
Right Angle	
Reflex Angle	

(Total for question 1 is 3 marks)

Q2. In the space below draw an angle of 30° Label the angle P.

(Total for question 2 is 1 mark)

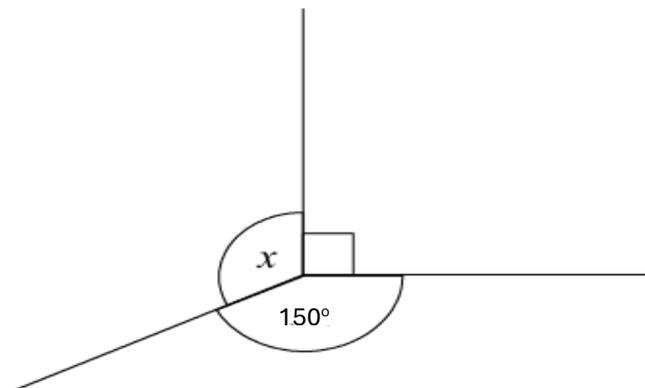Q3. In the space below draw an angle of 100° Label the angle Q.

(Total for question 3 is 1 mark)

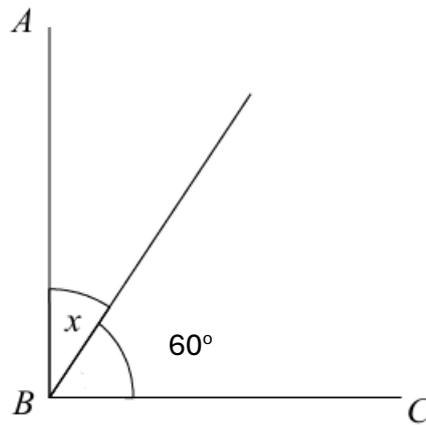Q4. PQR is a straight line. Work out the size of the angle marked x.
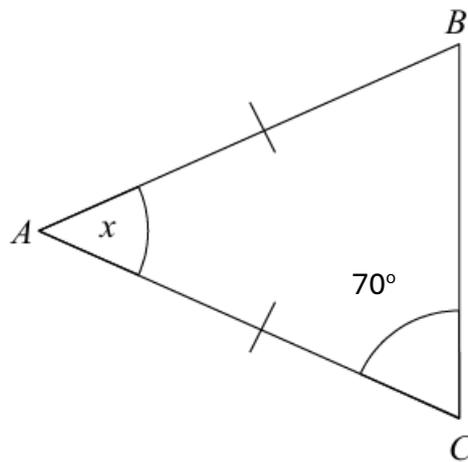
130°

x

Q5. Work out the size of the angle marked x.

x

150°

Q6. AB and BC are perpendicular lines. Work out the size of the angle marked x.
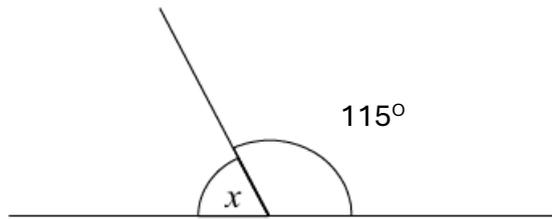
A

x

60°

B

C

(Total for question 6 is 2 marks)

Q7. ABC is an isosceles triangle Work out the size of the angle marked x.

B

A

x

70°

C

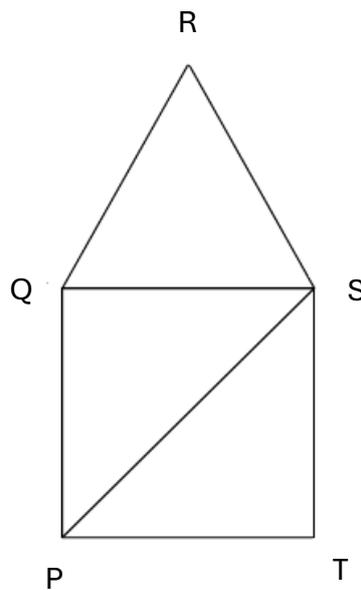**(Total for question 7 is 2 marks)**

Q8.

115°

x

(a) Work out the size of the angle marked x.

(b) Give a reason for your answer.

(Total for question 8 is 2 marks)

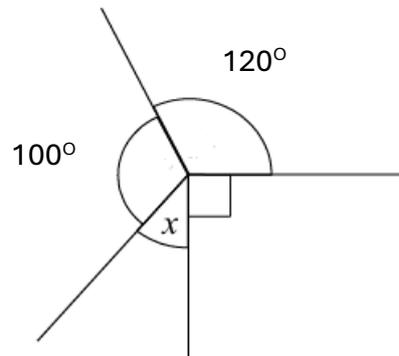Q9. The diagram shows a square PQRS and an equilateral triangle QRS.

(a) Write down the size of angle PQS

(b) Write down the size of angle BCD

(c) Find the size of angle QRS

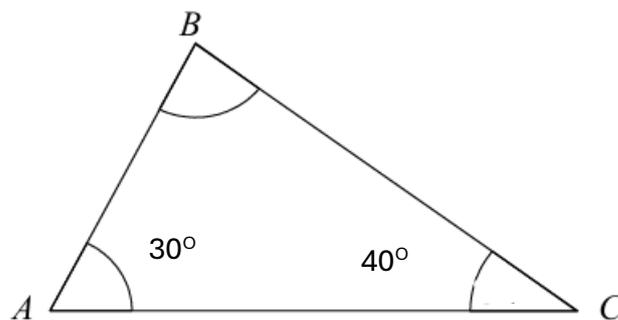**(Total for question 9 is 4 marks)**

Q10.

(a) Work out the size of the angle marked x.

(b) Give a reason for your answer.
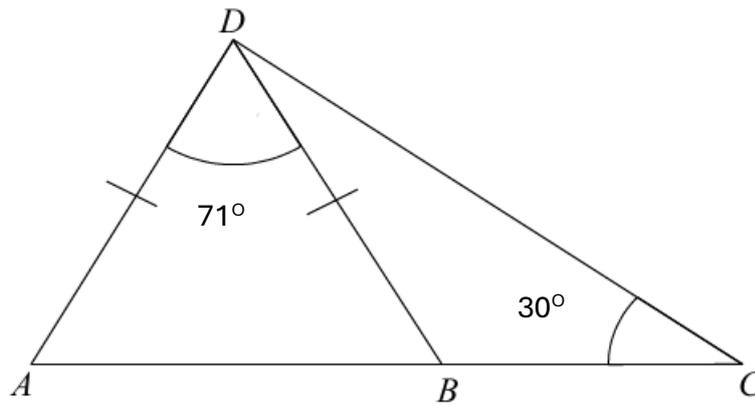
(Total for question 10 is 2 marks)

Q11.

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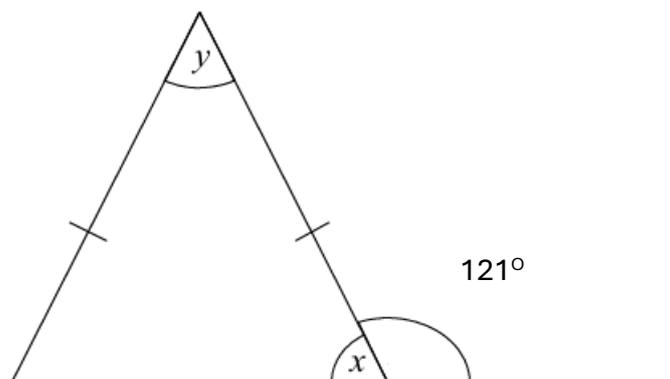
(b) Give a reason for your answer.

(Total for question 11 is 2 marks)

Q12. ABC is a straight line. Work out the size of the angle BDC.
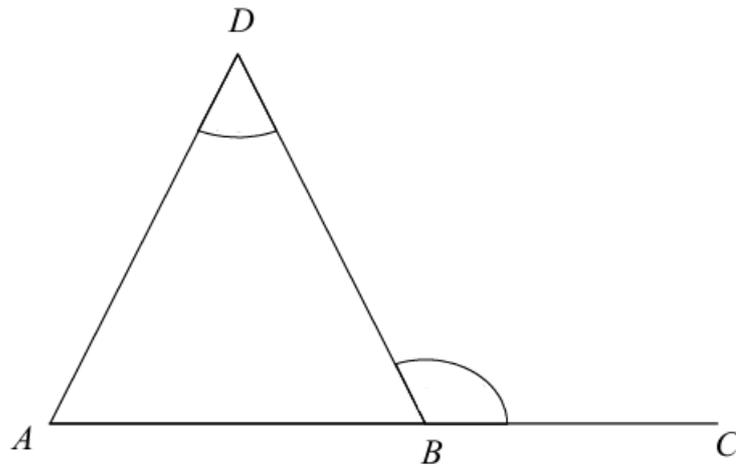

(Total for question 12 is 4 marks)

Q13.

(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)

Q14. ABC is a straight line.

Show that ABD is an isosceles triangle

(Total for question 14 is 4 marks)