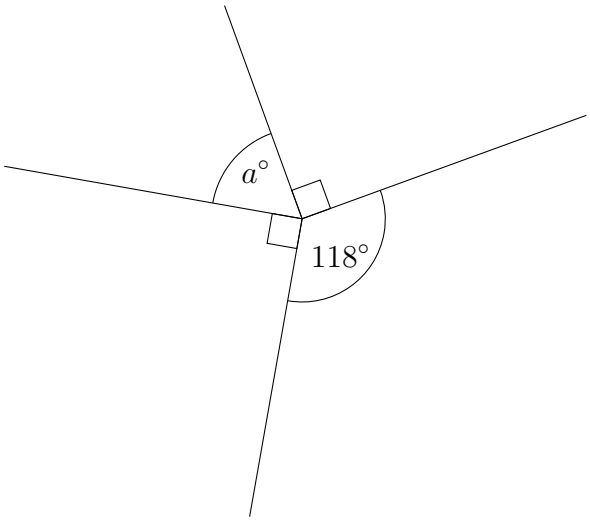
1. {Whole turn - minimum acceptable wording: angle ... point ... 360°}



(a)

(i) Work out the value of a.

$a =$ .....

(ii) Give a reason for your answer

.....

.....

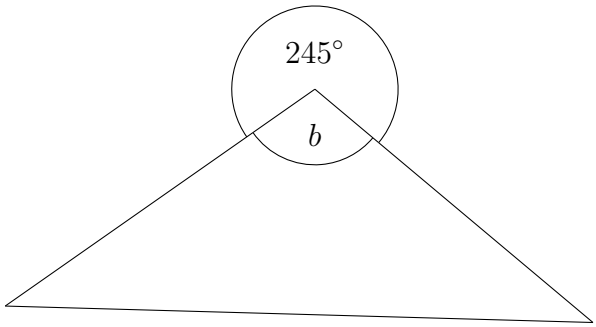


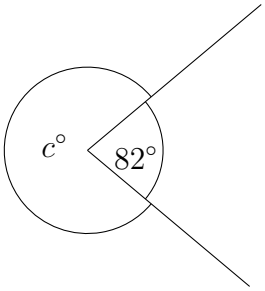
Diagram NOT accurately drawn

(b)

(i) Work out the size of the angle marked b.

..... °

(ii) as part(a)



(c)

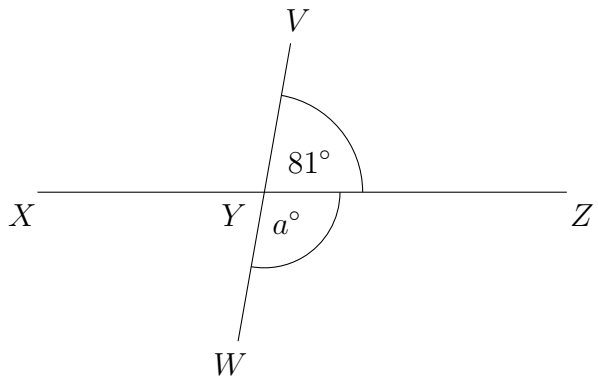
(i) Work out the value of c.

$c =$ .....

(ii) as part(a)

2. {Half turn - minimum acceptable wording: angle ... straight line ... 180°}

(a)



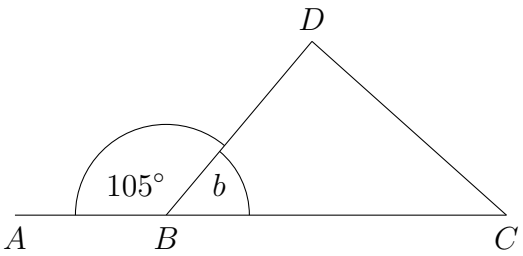
XYZ is a straight line.

VYW is a straight line.

(i) Work out the value of a.

$a =$ . . . . . .

(b)



(i) Work out the size of the angle marked b.

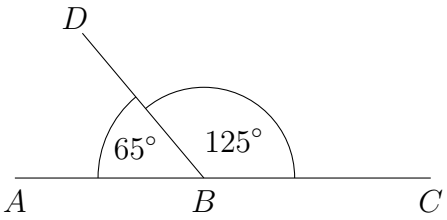
. . . . . .°

(ii) Give a reason for your answer {part (ii) same in all questions}

. . . . . .

. . . . . .

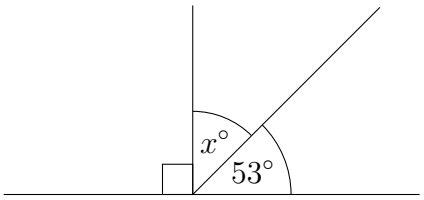
(c)



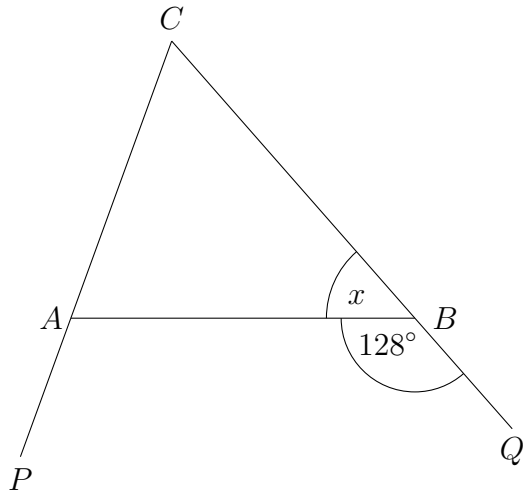
Is ABC a straight line?

Give a reason for your answer

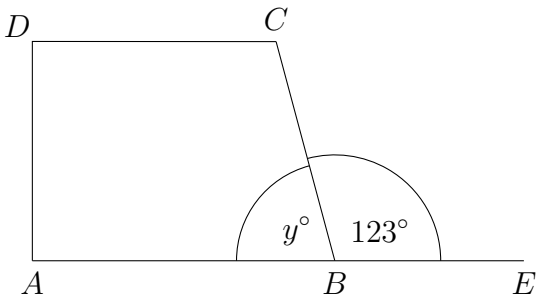
(d)



(e)

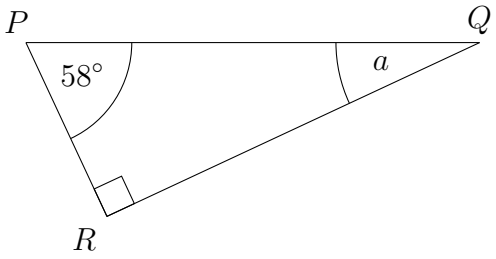


(f)



3. {Triangle - minimal acceptable wording: angle ... triangle ... 180°}

(a)



(i) Work out the value of a.

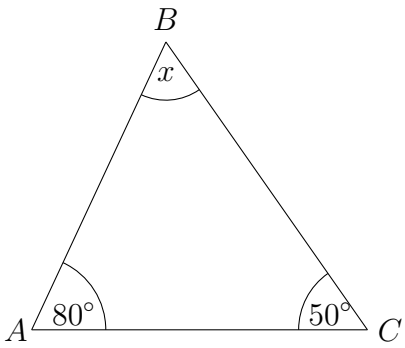
$a =$ .....

(ii) Give a reason for your answer {part (ii) same in all questions}

.....

.....

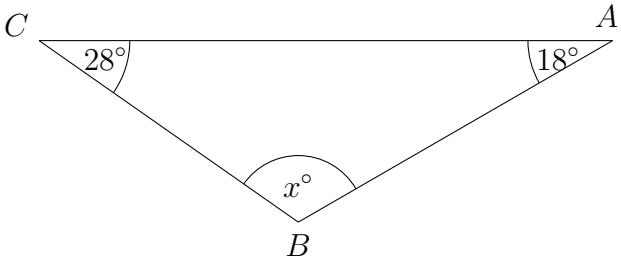
(b)



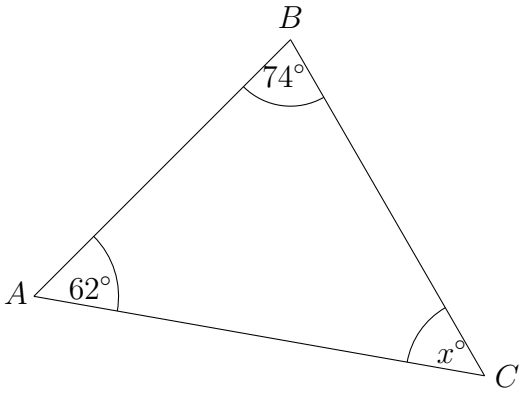
(i) Work out the size of the angle marked x.

..... °

(c)

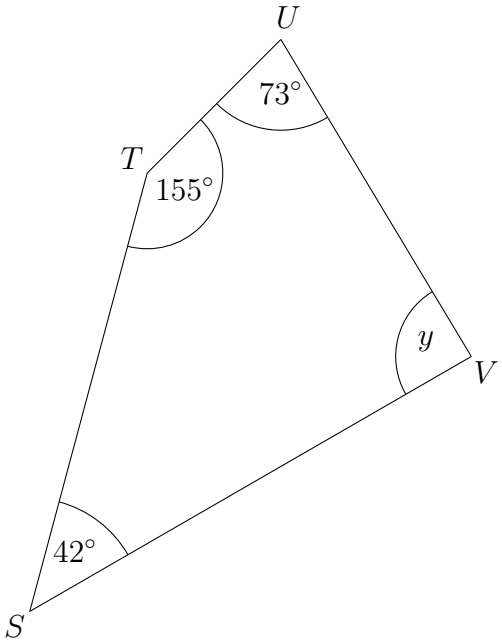


(d)



4. {Quadrilateral - minimal acceptable wording: angle ... quadrilateral ... 360°}

(a)



(i) Work out the size of the angle marked y.

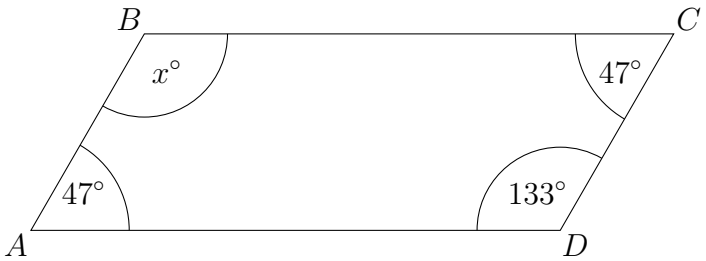
..... °

(ii) Give a reason for your answer {part (ii) same in all questions}

.....

.....

(b)

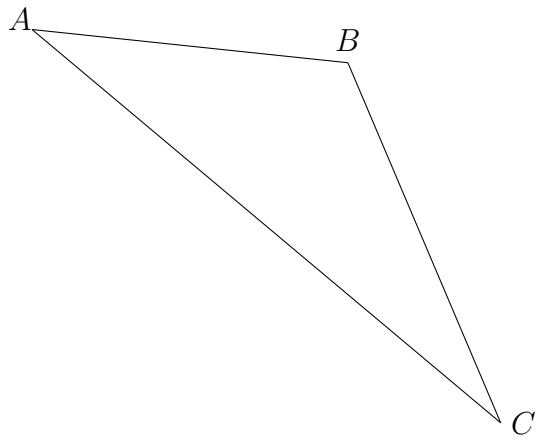


(i) Work out the value of x.

$x =$ .....

5. {The 3 letter convention for labelling angles, and angle skills from strands 1 to 4}

(a)

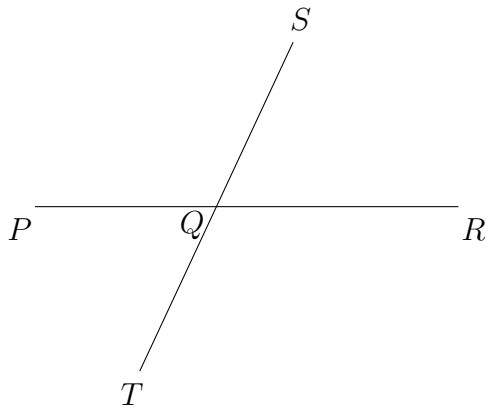


Angle ACB = 30 °

Angle ABC = 125 °

Work out the size of the angle CAB.

(b)



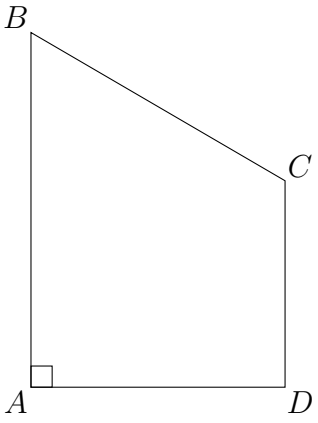
PQR is a straight line.

SQT is a straight line.

Angle PQT = angle SQR = 58°

Work out the size of the angle PQS.

(c)



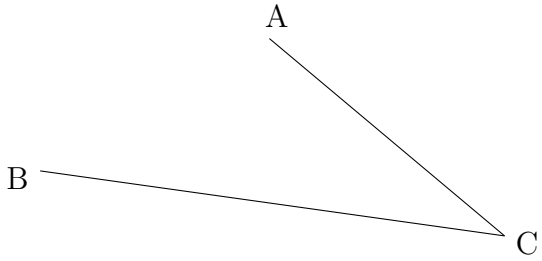
Angle BAD = 90°

Angle ABC = 68°

Angle ADC = 89°

Work out the size of the angle BCD.

(d)



Reflex angle ACB = 325 °

Work out the size of the acute angle ACB.

