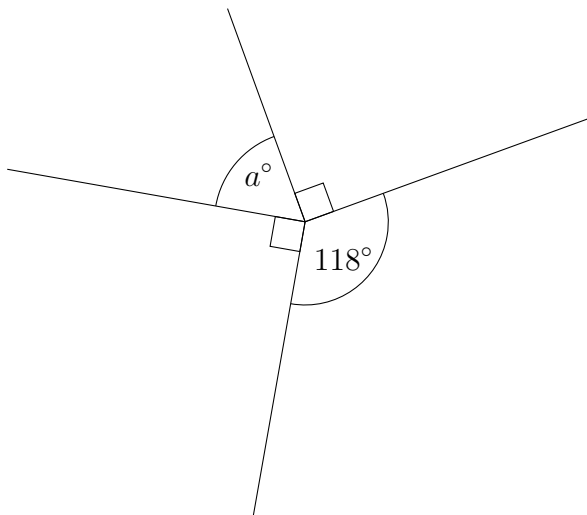


1. {Whole turn - minimum acceptable wording: angle ... point ... 360°}



(a)

(i) Work out the value of a.

$a = \dots\dots\dots$

(ii) Give a reason for your answer

.....

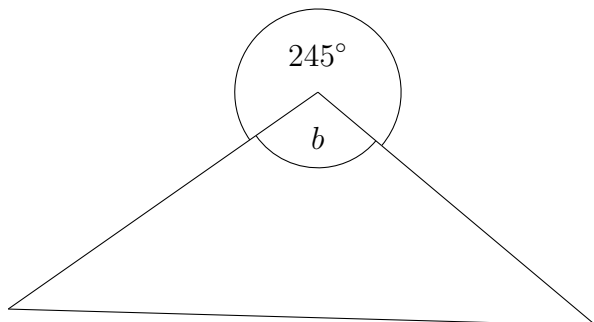


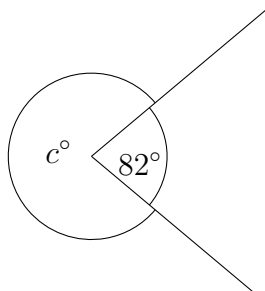
Diagram NOT accurately drawn

(b)

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

.....°

(ii) as part(a)



(c)

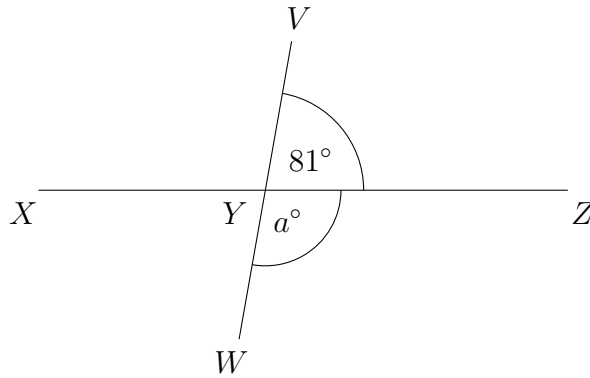
(i) Work out the value of c.

$c = \dots\dots\dots$

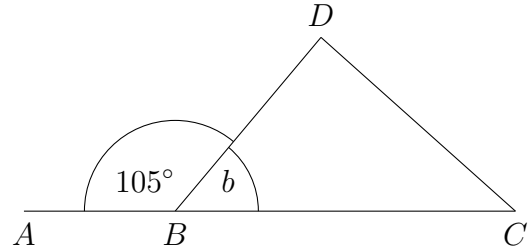
(ii) as part(a)

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

(a)



(b)



XYZ is a straight line.

VYW is a straight line.

(i) Work out the value of a.

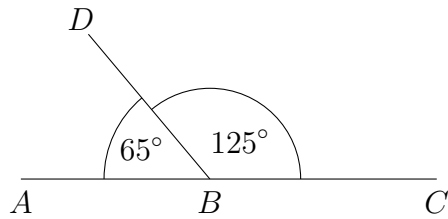
(i) Work out the size of the angle marked b.

$a = \dots\dots\dots \dots\dots\dots^\circ$

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

.....

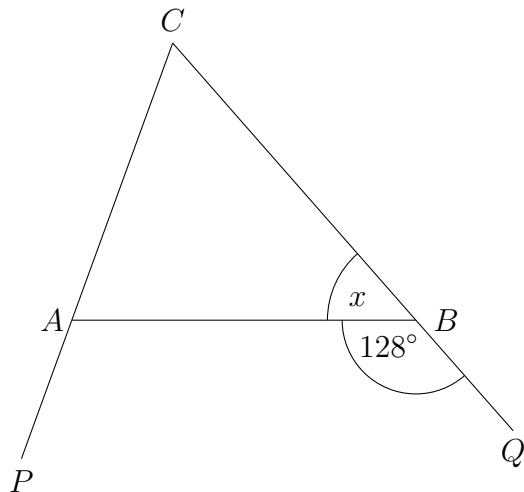
(c)



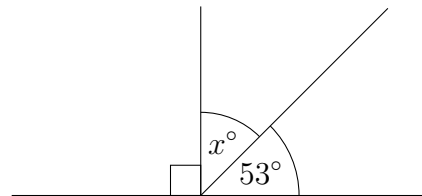
Is ABC a straight line?

Give a reason for your answer

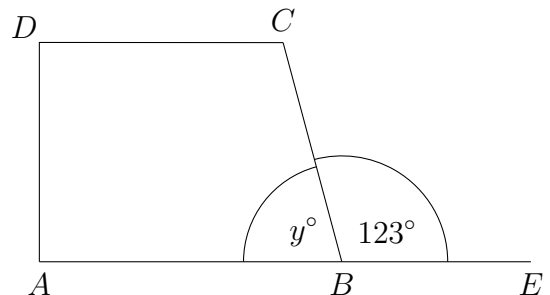
(e)



(d)

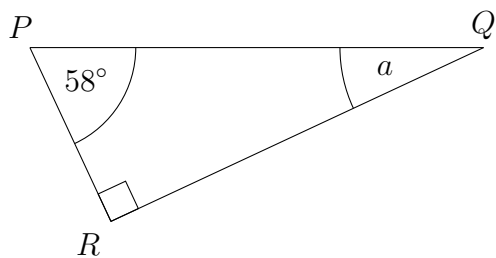


(f)



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

(a)



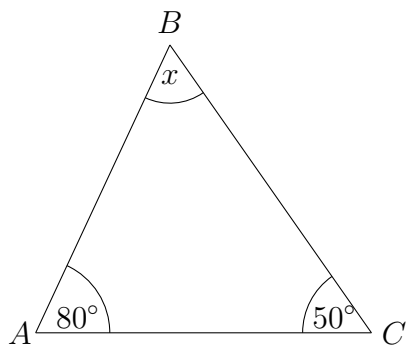
(i) Work out the value of a.

a =

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

.....

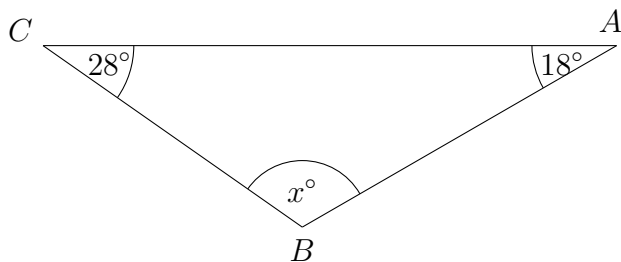
(b)



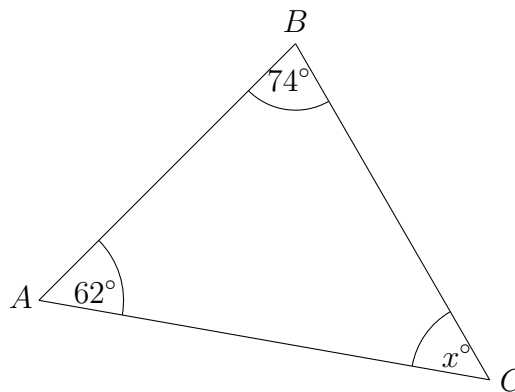
(i) Work out the size of the angle marked x.

.....°

(c)

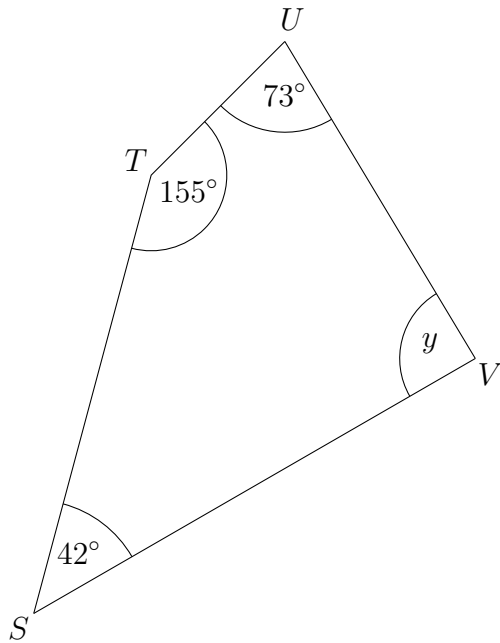


(d)



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

(a)



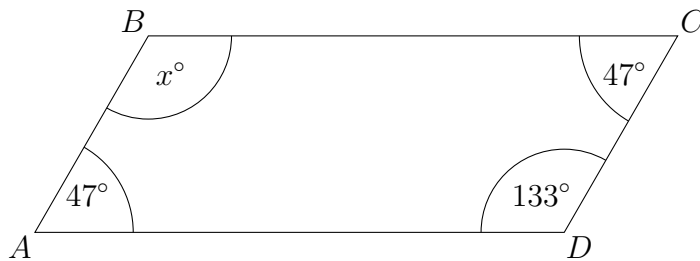
(i) Work out the size of the angle marked y .

..... $^\circ$

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

.....

(b)

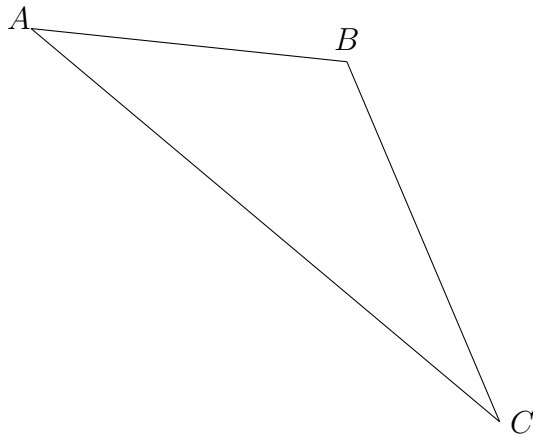


(i) Work out the value of x .

$x = \dots\dots\dots$

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

(a)

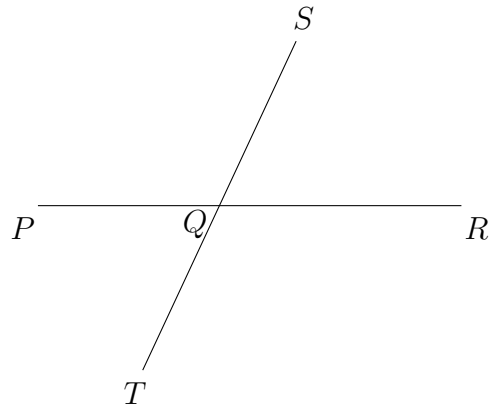


Angle $ACB = 30^\circ$

Angle $ABC = 125^\circ$

Work out the size of the angle CAB .

(b)



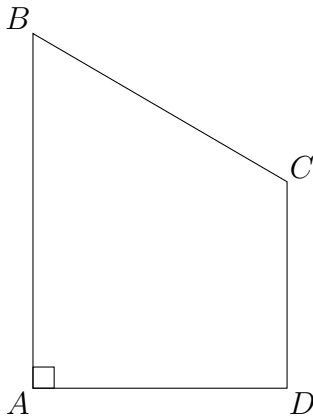
PQR is a straight line.

SQT is a straight line.

Angle $PQT = \text{angle } SQR = 58^\circ$

Work out the size of the angle PQS .

(c)



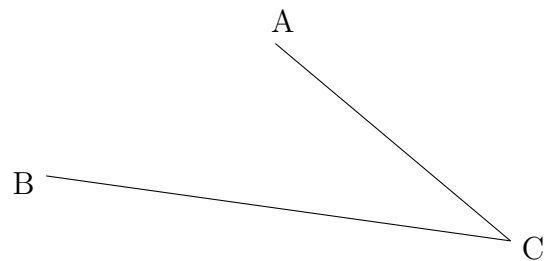
Angle $BAD = 90^\circ$

Angle $ABC = 68^\circ$

Angle $ADC = 89^\circ$

Work out the size of the angle BCD .

(d)



Reflex angle $ACB = 325^\circ$

Work out the size of the acute angle ACB .