

1. In the diagram, ABC and ADE are straight lines.
 CE and BD are parallel.
 $AB = AD$.
Angle $BAD = 38^\circ$.

May 06 41

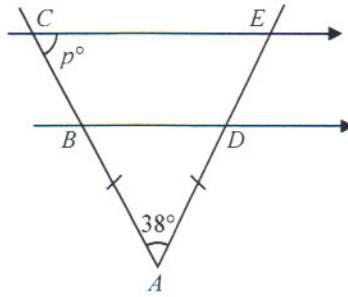


Diagram NOT
accurately drawn

Work out the value of p .

Give a reason for each step in your working.

(Total 4 marks)

Q1

May 05 4H

3. In the diagram, PQR and PST are straight lines.
 QS and RT are parallel lines.
 Angle $QRT = 70^\circ$.
 Angle $QST = 120^\circ$.

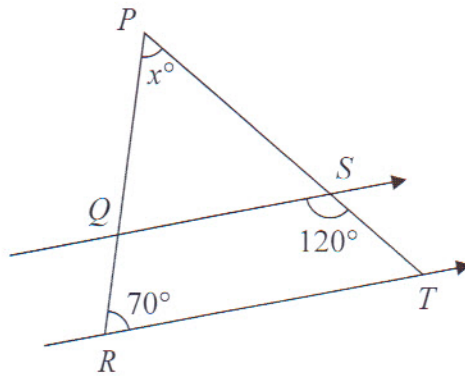


Diagram **NOT** accurately drawn

- (a) Work out the value of x .

$x = \dots\dots\dots$
 (3)

- (b) Give a reason for each step in your working.

.....

 (2)

(Total 5 marks)

Q3



5.

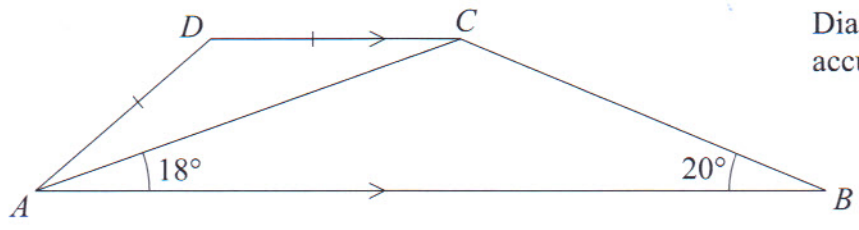


Diagram NOT accurately drawn

Nov 05 3H

- ABCD* is a trapezium.
- AB* is parallel to *DC*.
- Angle *BAC* = 18° .
- Angle *ABC* = 20° .
- AD* = *DC*.

Calculate the size of angle *ADC*.
Give a reason for each step in your working.

.....
(Total 5 marks)

Q5

6.

NDU 07 41

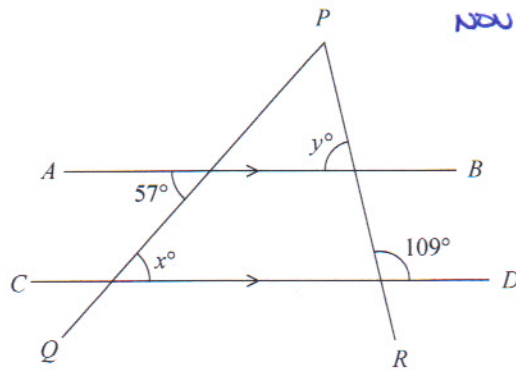


Diagram NOT accurately drawn

AB and *CD* are parallel straight lines.
PQ and *PR* are straight lines.

(a) (i) Find the value of x .

$x = \dots\dots\dots$

(ii) Give a reason for your answer.

.....
 (2)

(b) Find the value of y .
 Give a reason for each step in your working.

$y = \dots\dots\dots$
 (2)

(Total 4 marks)

Q6