

Angles

Mark Scheme

Level	GCSE
Subject	Maths
Exam Board	Edexcel GCSE
Topic	Angles
Grade Level	Grade 1/2
Booklet	Mark Scheme

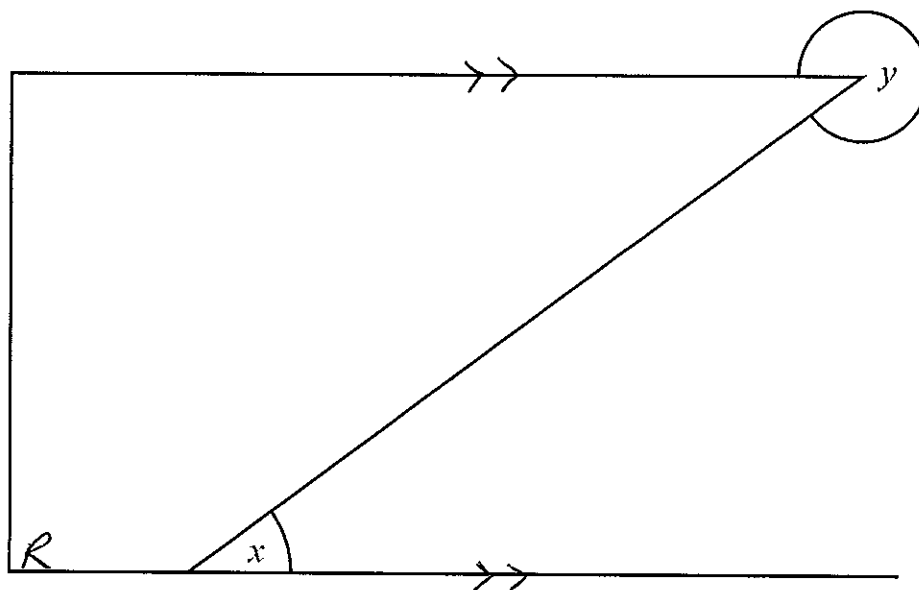
Time Allowed: 29 minutes

Score: /24

Percentage: /100

Grade Boundaries:

1. The lines in the diagram are straight.



- (a) Mark with arrows, (\gg), a pair of parallel lines.

(1)

- (b) Mark with the letter R, a right angle.

(1)

- (c) What type of angle is shown by the letter

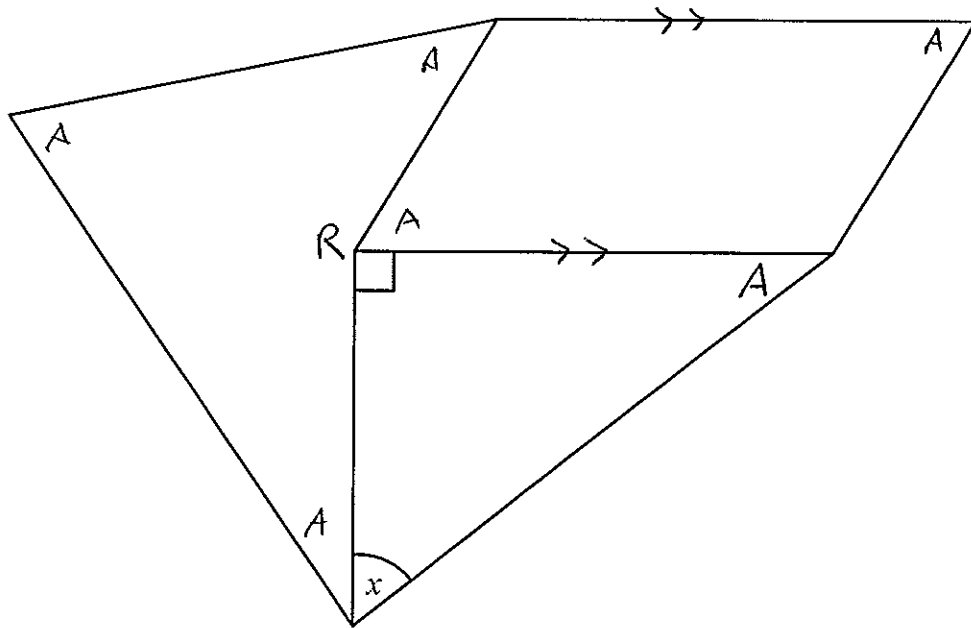
(i) x , *acute*

(ii) y *reflex*

(2)

(Total 4 marks)

2. The shape is made from a right-angled triangle, a parallelogram and a quadrilateral.

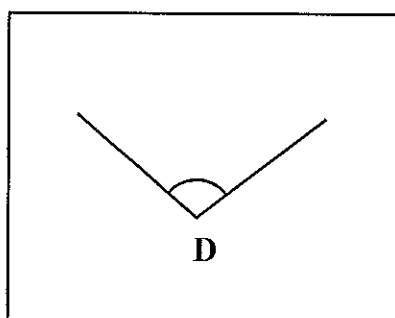
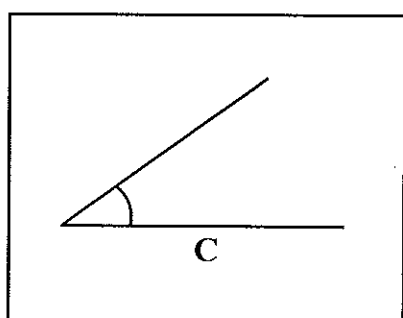
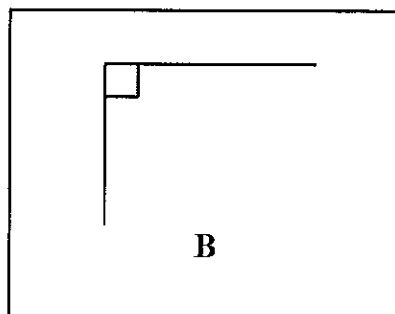
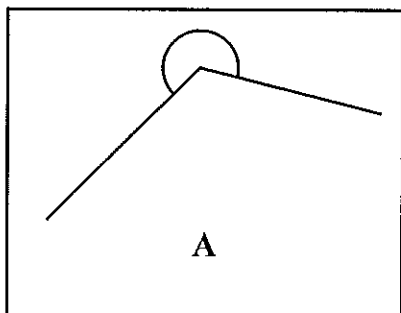


- (a) Mark with arrows (») a pair of parallel lines. (1)
- (b) Mark with the letter *A* an acute angle. (1)
- (c) Mark with the letter *R* a reflex angle. (1)
- (d) Measure the size of angle *x*.

.....52.....°

(1)
(Total 4 marks)

3.



One of the four angles marked in the diagrams above is an obtuse angle.

- (a) Write down the letter of the diagram in which the obtuse angle is marked.

.....D.....

(1)

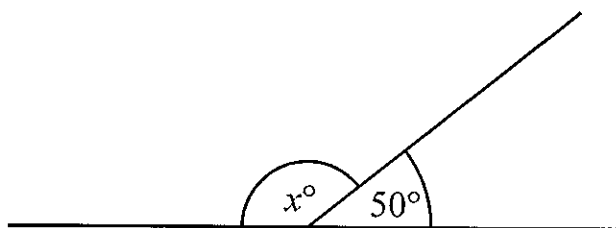


Diagram **NOT**
accurately drawn

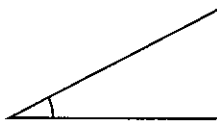
- (b) Work out the size of the angle marked x° .

.....130.....°

(2)

(Total 3 marks)

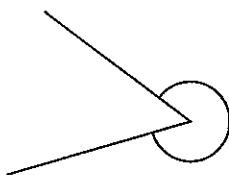
4. (a) Write down the special name for this type of angle.



.....acute.....

(1)

- (b) Write down the special name for this type of angle.



.....reflex.....

(1)

- (c)

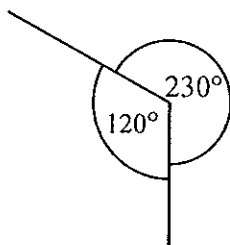


Diagram **NOT**
accurately drawn

This diagram is wrong.
Explain why

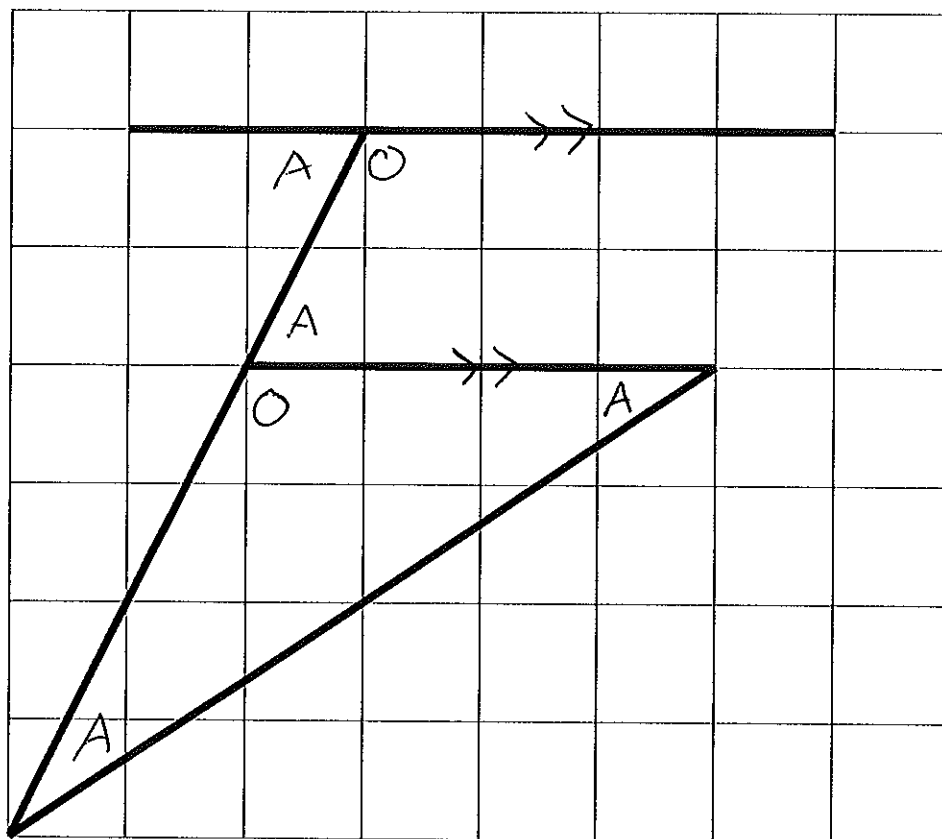
.....angles around a point should.....
.....add up to 360°.....

.....
.....

(1)

(Total 3 marks)

5. Here is a diagram drawn on a square grid.



- (a) Mark, with arrows ($>>$), a pair of parallel lines.

(1)

- (b) Mark, with the letter A, an acute angle.

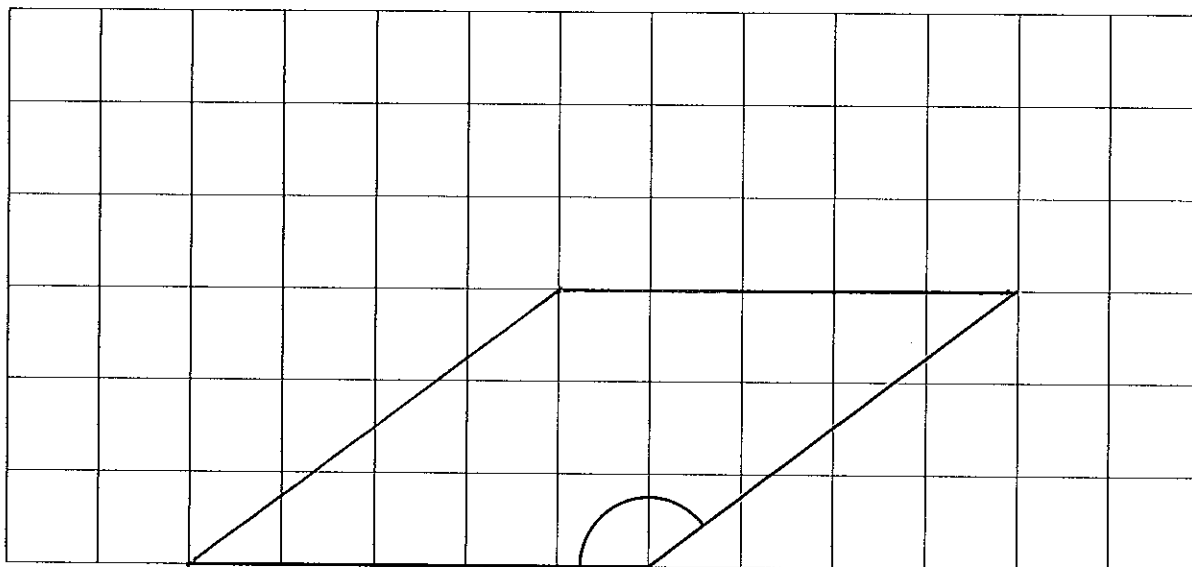
(1)

- (c) Mark, with the letter O, an obtuse angle.

(1)

(Total 3 marks)

6. The diagram shows two sides of a rhombus drawn on a grid of centimetre squares.



- (a) (i) Measure the size of the angle between these two sides.

.....143.....°

- (ii) What type of angle have you measured?

..obtuse.....

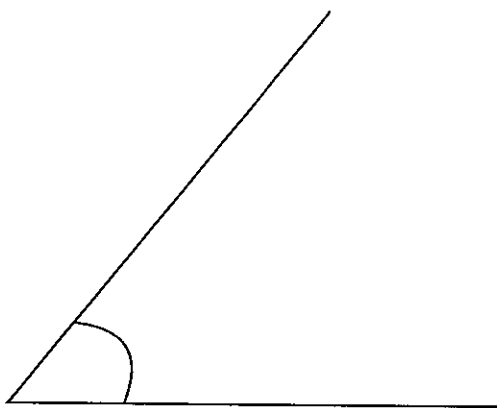
(2)

- (b) Complete accurately the drawing of the rhombus.

(1)

(Total 3 marks)

7. The diagram shows an angle.



- (a) Write down the special name for this type of angle.

.....acute.....

(1)

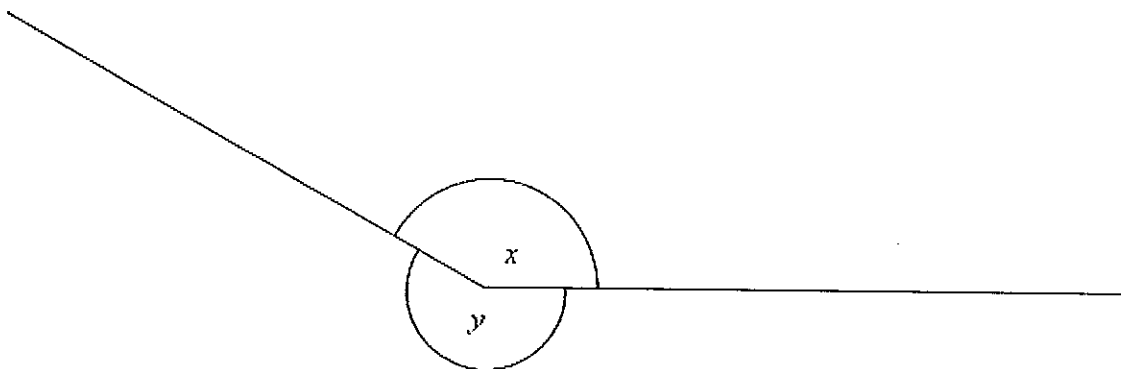
- (b) Measure the size of the angle.

.....51.....°

(1)

(Total 2 marks)

8.



- (a) Measure the size of the angle marked x .

.....150.....°

(1)

- (b) What type of angle is shown by the letter y ?

.....reflex.....

(1)

(Total 2 marks)