2.10 Angles: 10-minute Pack

EDEXCEL 1MA1 · Calculator allowed · about 10 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Write down the mathematical name for each type of angle.

(a) An angle measures 35 degrees. Write down the mathematical name for this type of angle. **(1)**

.....

(b) An angle measures 120 degrees. Write down the mathematical name for this type of angle. **(1)**

.....

(c) An angle measures 90 degrees. Write down the mathematical name for this type of angle. **(1)**

.....

(d) An angle measures 265 degrees. Write down the mathematical name for this type of angle. **(1)**

.....

(Total for Question 1 is 4 marks)

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2 Circle the angle below that is a reflex angle.

- ☐ A) 45 degrees
- ☐ B) 90 degrees
- ☐ C) 135 degrees
- ☐ D) 200 degrees

(Total for Question 2 is 1 mark)

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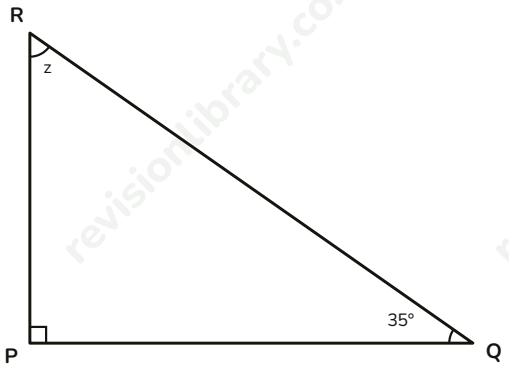
3 Work out the missing angle. The two angles are on a straight line; one angle is 127 degrees. Find the other angle.

(Total for Question 3 is 1 mark)

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4 Triangle PQR has angle P = 90 degrees and angle Q = 35 degrees. Angle R = z.

Diagram NOT accurately drawn



(a) Work out the size of angle z. **(2)**

.....

(b) Write down the mathematical name for this type of triangle. **(1)**

.....

(Total for Question 4 is 3 marks)

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Mark scheme · 2.10 Angles: 10-minute Pack

Question 1

(a) acute cao **B1**

(a) Answer: Acute

(b) obtuse cao **B1**

(b) Answer: Obtuse

(c) right angle cao **B1**

(c) Answer: Right angle

(d) reflex cao **B1**

(d) Answer: Reflex

Question 2

D circled, cao **B1**

Answer: D) 200 degrees

Question 3

53 degrees cao **B1**

Answer: 53 degrees

Question 4

(a) 180 - 90 - 35 **M1**

(a) z = 55 cao **A1**

(a) Answer: z = 55 degrees

(b) right-angled triangle oe **B1**

(b) Answer: Right-angled triangle

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