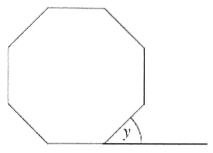
Lines, Angles and Shapes - FOUNDATION



1. The diagram shows a regular octagon. Not drawn (a) accurately. The base line of the octagon is extended. Work out the size of angle y.

360 - 8 sides = 45°

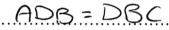


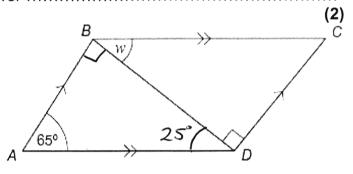
Answer 45

(b) ABCD is a parallelogram. BD is a diagonal. Not drawn accurately. Work out the size of angle w.

ABD = 90°



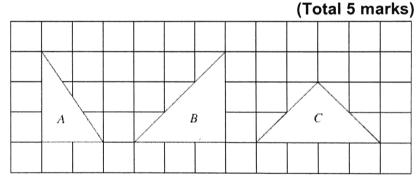




(3)

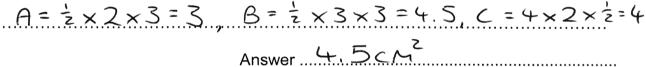
- 2. Three triangles are shown on the centimetre grid.
 - (a) Which triangle is **not** isosceles?

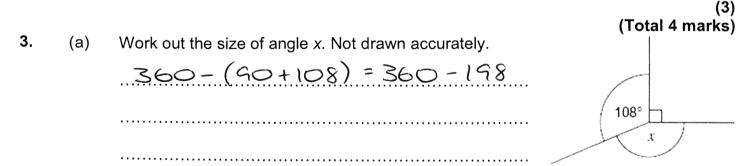
Answer (1)



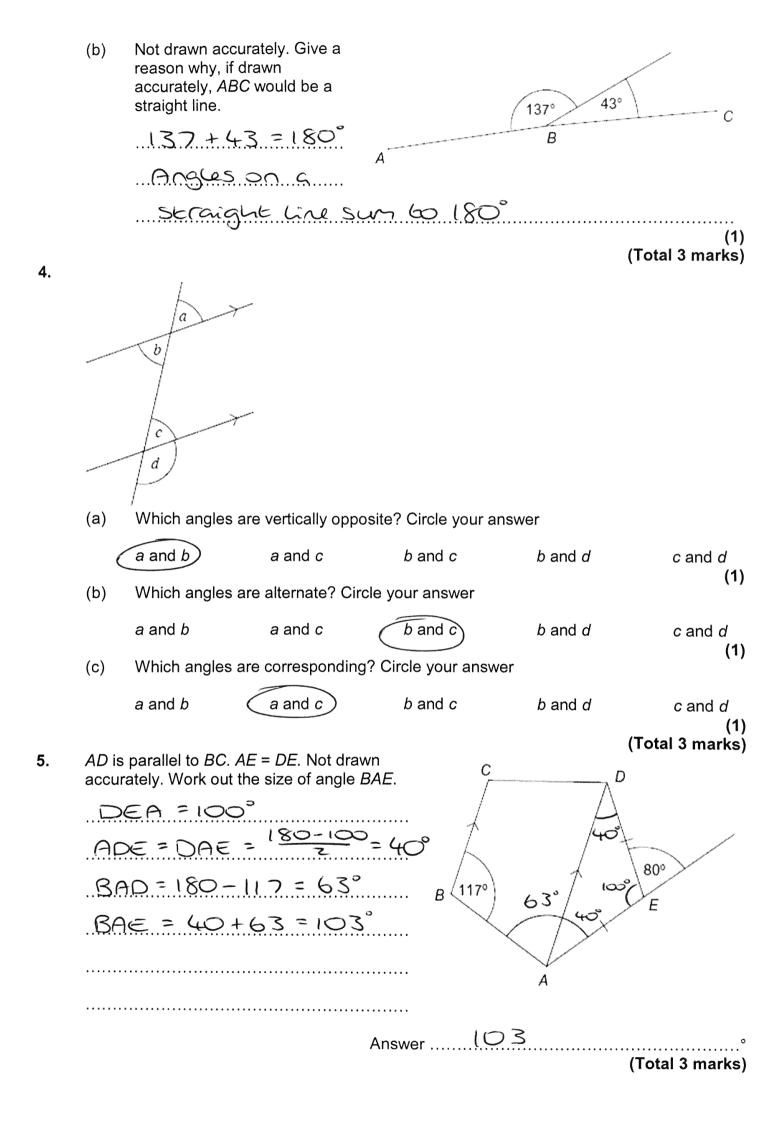
(b) Work out the area of the triangle with the greatest

area. State the units of your answer.

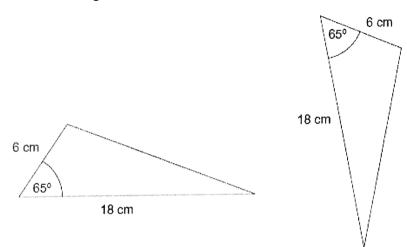




Answer \ 6 2



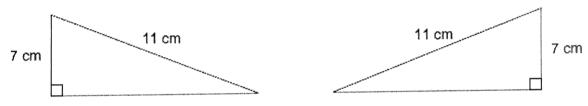
6. (a) These triangles are congruent. Not drawn accurately



State the condition they satisfy.

Answer Side-angle-side (1)

(b) These triangles are congruent. Not drawn accurately



State the condition they satisfy.

Answer right angle - hypotenuse-side
(1)
(Total 2 marks)

(Total for test = 20 marks)