FOUNDATION

1.9 Powers and Roots: 10-minute Pack

EDEXCEL 1MA1 · Calculator allowed · about 10 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 For each statement, write True or False.

(i) $\sqrt{25} = 5$ **(1)**

(ii) $3^2 = 6$ **(1)**

(iii) $\sqrt{0} = 0$ **(1)**

(iv) $1^{100} = 1$ **(1)**

(Total for Question 1 is 4 marks)

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2 Work out the value of each square root.

(a) $\sqrt{36}$ **(1)**

(b) $\sqrt{64}$ **(1)**

(c) $\sqrt{1}$ **(1)**

(d) $\sqrt{121}$ **(1)**

(Total for Question 2 is 4 marks)

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Mark scheme · 1.9 Powers and Roots: 10-minute Pack

Question 1

(i) True cao **B1**

(i) Answer: True

(ii) False cao **B1**

(ii) Answer: False

(iii) True cao **B1**

(iii) Answer: True

(iv) True cao **B1**

(iv) Answer: True

Question 2

(a) 6 cao **B1**

(a) Answer: 6

(b) 8 cao **B1**

(b) Answer: 8

(c) 1 cao **B1**

(c) Answer: 1

(d) 11 cao **B1**

(d) Answer: 11

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