

1.7 Answers

A-Level Pure Mathematics : Year 1
GCSE (Grades 8 and 9)
Algebra of Surds and Indices I

1.7.1 Solutions (1.6 Homework)

Answer 1

$$9\sqrt{5}$$

[2 marks]

Answer 2

$$(i) \quad 2\sqrt{11}$$

$$(ii) \quad 5\sqrt{2}$$

$$(iii) \quad 4\sqrt{2}$$

$$(iv) \quad 3\sqrt{11}$$

$$(v) \quad 10\sqrt{2}$$

$$(vi) \quad 9\sqrt{2}$$

[6 marks]

Answer 3

$$5\sqrt{2}$$

Answer 4

$$2\sqrt{10}$$

[3, 3 marks]

Answer 5

$$2\sqrt{29}$$

Answer 6

$$5\sqrt{10}$$

[3, 3 marks]

Answer 7

$$3\sqrt{34}$$

[4 marks]