

Algebraic Roots & Indices

Question Paper

Course	Edexcel IGCSE Maths
Section	2. Equations, Formulae & Identities
Topic	Algebraic Roots & Indices
Difficulty	Easy

Time allowed: 30
Score: /21
Percentage: /100

Question 1

Simplify $(m^{-2})^5$

[1 mark]

Question 2a

Simplify $m^5 \div m^3$

[1 mark]

Question 2b

Simplify $5x^4y^3 \times x^2y$

[2 marks]

Question 3a

Simplify $m^5 \times m^3$

[1 mark]

Question 3b

Simplify $\frac{p^6}{p^2}$

[1 mark]

Question 4a

Simplify $p^2 \times p^5$

[1 mark]

Question 4b

Simplify $g^6 \div g^4$

[1 mark]

Question 4c

Simplify $(k^3)^2$

[1 mark]

Question 5

Simplify $t^8 \div t^3$

[1 mark]

Question 6a

Simplify $(t^3)^2$

[1 mark]

Question 6b

Simplify $\frac{w^9}{w^4}$

[1 mark]

Question 7

Write down the value of g^0

[1 mark]

Question 8

Simplify $e^8 \div e^2$

[1 mark]

Question 9

Simplify $(3x^2 y)^0$

[1 mark]

Question 10

Simplify $\frac{x^9}{x^2}$

[1 mark]

Question 11

Simplify $w^1 \times w^0$

Circle your answer.

1

0

w

w^2

[1 mark]

Question 12

Given that $y^{18} \div y^6 = y^k$, find the value of k .

$k = \dots\dots\dots$

[1 mark]

Question 13

Simplify.

$a^6 \div a^2$

[1 mark]

Question 14

Simplify.

$$(b^5)^3$$

[1 mark]

Question 15

Simplify.

$$\frac{3y^3}{y^{-4}}$$

[1 mark]