

Algebra - Indices

Q1

Simplify.

(a) $d^7 \times d^4$

.....

(a) _____ [1]

(b) $\frac{d^9}{d^3}$

.....

(b) _____ [1]

Q2

(a) Simplify $p^5 \times p^4$

.....

(1)

(b) Simplify $q^5 \div q^2$

.....

(1)

(c) Simplify $12tu^6 \div 6tu^5$

.....

(2)

(d) Simplify $(9w^2y^6)^{\frac{1}{2}}$

.....

(2)

Algebra - Indices

Q1

Simplify.

(a) $d^7 \times d^4 = d^{7+4} = d^{11}$

.....
(a) d^{11} [1]

(b) $\frac{d^9}{d^3} = d^{9-3} = d^6$

.....
(b) d^6 [1]

Q2

(a) Simplify $p^5 \times p^4 = p^{5+4} = p^9$

p^9

.....
(1)

(b) Simplify $q^5 \div q^2 = q^{5-2} = q^3$

q^3

.....
(1)

(c) Simplify $12tu^6 \div 6tu^5 = \frac{12tu^6}{6tu^5}$

$2u$

.....
(2)

(d) Simplify $(9w^2y^6)^{\frac{1}{2}} = 3wy^3$

$3wy^3$

.....
(2)