

Algebraic Expressions and Identities Ex 6.3 Q13

Answer:

To multiply algebraic expressions, we use commutative and associative laws along with the law of indices, i.e., $a^m \times a^n = a^{m+n}$.

We have:

Thus, the answer is $-a^4b^3c^3$

Algebraic Expressions and Identities Ex 6.3 Q14

Answer

To multiply algebraic expressions, we use commutative and associative laws along with the law of indices, i.e., $a^m \times a^n = a^{m+n}$.

We have:

Thus, the answer is $-\frac{20}{9} u^4 v^4 w^4$

Algebraic Expressions and Identities Ex 6.3 Q15

To multiply algebraic expressions, we use commutative and associative laws along with the law of indices, i.e., $a^m \times a^n = a^{m+n}$.

We have:

$$(0.5x) \times \left(\frac{1}{3}xy^2z^4\right) \times (24x^2yz)$$

$$= \left(0.5 \times \frac{1}{3} \times 24\right) \times (x \times x \times x^2) \times (y^2 \times y) \times (z^4 \times z)$$

$$= \left(0.5 \times \frac{1}{3} \times 24\right) \times (x^{1+1+2}) \times (y^{2+1}) \times (z^{4+1})$$

$$= 4x^4y^2z^5$$

Thus, the answer is $4x^4y^3z^5$.

Algebraic Expressions and Identities Ex 6.3 Q16

Answer:

To multiply algebraic expressions, we use commutative and associative laws along with the law of indices, i.e., $a^m \times a^n = a^{m+n}$.

We have:

Thus, the answer is $-\frac{1}{3} p^5 q^4 r^3$.

******* END ********