

Introduction to Algebra Ex 8.2 Q1

Answer:

$$egin{array}{ll} ig(iig) a^{15} \ ig(iiig) 8b^3a^4 &= 8a^4b^3 \ ig(iiiig) 5a^3b^2c^3 \ ig(ivig) 7a^8b^5 \ ig(vig) 4a^5b^{12}c^{15} \end{array}$$

Introduction to Algebra Ex 8.2 Q2

Answer:

- (i) $a \times a \times b \times b \times b \times b \times b$
- (ii) $2 \times 2 \times 2 \times x \times x \times x$
- (iii) $7 \times a \times a \times a \times b \times b \times b \times b$

- (vi) $43 \times p \times p \times p \times p \times p \dots 10$ times $\times q \times q \dots 5$ times $\times r \times r \times r \dots 15$ times
- (vii) $17 \times p \times p \times \dots 12$ times $\times q \times q \times \dots 20$ times

Introduction to Algebra Ex 8.2 Q3

Answer:

$$\begin{aligned} &\text{(i)} \ 4 \times 6 \times a^3 \times a \times b^2 \times c^2 \\ &= 24a^4b^2c^2 \\ &\text{(ii)} \ 5 \times 3 \times 7 \times x \times x^2 \times y \times y \times y^2 \\ &= 105x^3y^4 \\ &\text{(iii)} \ 3 \times 2 \times a^3 \times a \times a^2 \times b^2 \times b^2 \\ &= 6a^6b^4 \end{aligned}$$

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