



1. The expanded form of $(-5v)^3$ is

- (i) $(-5v) \times (-5v)$ (ii) $(-5v) \times (-5v) \times (-5v)$ (iii) $(-5v)$ (iv) $(-5v) \times (-5v) \times (-5v) \times (-5v) \times (-5v)$
 (v) $(-5v) \times (-5v) \times (-5v) \times (-5v)$

2. The expanded form of $(\frac{1}{2}i)^3$ is

- (i) $\frac{1}{2}i \times \frac{1}{2}i \times \frac{1}{2}i$ (ii) $\frac{1}{2}i \times \frac{1}{2}i \times \frac{1}{2}i \times \frac{1}{2}i$ (iii) $\frac{1}{2}i$ (iv) $\frac{1}{2}i \times \frac{1}{2}i \times \frac{1}{2}i \times \frac{1}{2}i \times \frac{1}{2}i$ (v) $\frac{1}{2}i \times \frac{1}{2}i$

3. The expanded form of $(4/m)^3$ is

- (i) $4/m \times 4/m$ (ii) $4/m \times 4/m \times 4/m$ (iii) $4/m \times 4/m \times 4/m \times 4/m \times 4/m$ (iv) $4/m \times 4/m \times 4/m \times 4/m$ (v) $4/m$

4. The expanded form of $(\frac{2}{3}rs)^3$ is

- (i) $\frac{2}{3}rs$ (ii) $\frac{2}{3}rs \times \frac{2}{3}rs \times \frac{2}{3}rs \times \frac{2}{3}rs$ (iii) $\frac{2}{3}rs \times \frac{2}{3}rs \times \frac{2}{3}rs \times \frac{2}{3}rs \times \frac{2}{3}rs$ (iv) $\frac{2}{3}rs \times \frac{2}{3}rs \times \frac{2}{3}rs$ (v) $\frac{2}{3}rs \times \frac{2}{3}rs$

5. $18b^2 =$

- (i) $18 \times b \times b \times b$ (ii) $20 \times b \times b$ (iii) $15 \times b \times b$ (iv) $18 \times b \times b$ (v) $18 \times b$

6. $p^2q^4 =$

- (i) $3 \times p \times p \times q \times q \times q \times q$ (ii) $p \times p \times p \times q \times q \times q \times q$ (iii) $p \times q \times q \times q \times q$ (iv) $-p \times p \times q \times q \times q \times q$
 (v) $p \times p \times q \times q \times q \times q$

7. $a^3b^4c^4 =$

- (i) $a \times a \times a \times b \times b \times b \times b \times c \times c \times c \times c$ (ii) $a \times a \times b \times b \times b \times b \times c \times c \times c \times c$
 (iii) $a \times a \times a \times a \times b \times b \times b \times b \times c \times c \times c \times c$ (iv) $4 \times a \times a \times a \times b \times b \times b \times b \times c \times c \times c \times c$
 (v) $-a \times a \times a \times b \times b \times b \times b \times c \times c \times c \times c$

8. $i \times i \times i =$

- (i) i^4 (ii) i^2 (iii) $4i^3$ (iv) i^3 (v) $-i^3$

9. $27 \times a \times a \times a \times a \times b \times b \times b \times b =$

- (i) $29a^4b^4$ (ii) $24a^4b^4$ (iii) $27a^3b^4$ (iv) $27a^5b^4$ (v) $27a^4b^4$

10. $f \times f \times f \times f \times g \times g \times h \times h \times h =$

- (i) $f^3g^2h^3$ (ii) $f^5g^2h^3$ (iii) $-2f^4g^2h^3$ (iv) $f^4g^2h^3$ (v) $3f^4g^2h^3$

Assignment Key

1) (ii)

2) (i)

3) (ii)

4) (iv)

5) (iv)

6) (v)

7) (i)

8) (iv)

9) (v)

10) (iv)