



1. $(-7)^6 =$

- (i) $(\frac{-3}{7})^{-6}$ (ii) $(\frac{-1}{7})^{-6}$ (iii) $(\frac{-1}{7})^{-5}$ (iv) $(\frac{1}{7})^{-6}$ (v) $(\frac{-1}{7})^{-7}$

2. $(-2)^{-5} =$

- (i) $(\frac{-1}{2})^4$ (ii) $(\frac{1}{2})^5$ (iii) $(\frac{-1}{2})^6$ (iv) $(\frac{-3}{2})^5$ (v) $(\frac{-1}{2})^5$

3. $(\frac{-8}{9})^{-3} =$

- (i) $(\frac{-7}{8})^3$ (ii) $(\frac{-9}{8})^2$ (iii) $(\frac{-11}{8})^3$ (iv) $(\frac{-9}{8})^3$ (v) $(\frac{-9}{8})^4$

4. $(\frac{-7}{8})^{(-3/2)} =$

- (i) $(\frac{-8}{7})^2$ (ii) $(\frac{-10}{7})^{(3/2)}$ (iii) $(\frac{-8}{7})^{(5/4)}$ (iv) $(\frac{-8}{7})^{(3/2)}$ (v) $(\frac{-6}{7})^{(3/2)}$

5. $5^6 =$

- (i) $(\frac{-1}{5})^{-6}$ (ii) $(\frac{1}{5})^{-7}$ (iii) $(\frac{1}{5})^{-5}$ (iv) $(\frac{3}{5})^{-6}$ (v) $(\frac{1}{5})^{-6}$

6. $2^{-3} =$

- (i) $(\frac{-1}{2})^3$ (ii) $(\frac{1}{2})^4$ (iii) $(\frac{1}{2})^2$ (iv) $(\frac{3}{2})^3$ (v) $(\frac{1}{2})^3$

7. $6^6 =$

- (i) $\left(\frac{-1}{6}\right)^{-6}$ (ii) $\left(\frac{1}{6}\right)^{-6}$ (iii) $\left(\frac{1}{2}\right)^{-6}$ (iv) $\left(\frac{1}{6}\right)^{-7}$ (v) $\left(\frac{1}{6}\right)^{-5}$

8. $\left(\frac{-9}{2}\right)^{(-4/5)} =$

- (i) $\left(\frac{-2}{9}\right)^{(4/5)}$ (ii) $\left(\frac{-2}{9}\right)^{(6/5)}$ (iii) $\left(\frac{-2}{9}\right)^{(4/7)}$ (iv) $\left(\frac{-4}{9}\right)^{(4/5)}$ (v) $\left(\frac{-2}{9}\right)^{(4/3)}$

9. $5^4 =$

- (i) $\left(\frac{-1}{5}\right)^{-4}$ (ii) $\left(\frac{1}{5}\right)^{-5}$ (iii) $\left(\frac{1}{5}\right)^{-4}$ (iv) $\left(\frac{3}{5}\right)^{-4}$ (v) $\left(\frac{1}{5}\right)^{-3}$

10. $5^{-3} =$

- (i) $\left(\frac{3}{5}\right)^3$ (ii) $\left(\frac{1}{5}\right)^4$ (iii) $\left(\frac{-1}{5}\right)^3$ (iv) $\left(\frac{1}{5}\right)^3$ (v) $\left(\frac{1}{5}\right)^2$

11. $\left(\frac{6}{5}\right)^3 =$

- (i) $\left(\frac{5}{6}\right)^{-4}$ (ii) $\left(\frac{5}{6}\right)^{-3}$ (iii) $\left(\frac{7}{6}\right)^{-3}$ (iv) $\left(\frac{1}{2}\right)^{-3}$ (v) $\left(\frac{5}{6}\right)^{-2}$

12. $\left(\frac{8}{7}\right)^{(-5/4)} =$

- (i) $\left(\frac{9}{8}\right)^{(5/4)}$ (ii) $\left(\frac{5}{8}\right)^{(5/4)}$ (iii) $\left(\frac{7}{8}\right)^{(3/2)}$ (iv) $\left(\frac{7}{8}\right)^{(5/4)}$ (v) $\left(\frac{7}{8}\right)^{(7/6)}$

Assignment Key

1) (ii)

2) (v)

3) (iv)

4) (iv)

5) (v)

6) (v)

7) (ii)

8) (i)

9) (iii)

10) (iv)

11) (ii)

12) (iv)