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

(i) $\frac{(-5)^{9}}{5^{9}}$ (ii) $\frac{(-5)^{8}}{2^{9}}$ (iii) $\frac{(-5)^{10}}{2^{9}}$ (iv) $\frac{(-5)^{9}}{2^{9}}$ (v) $\frac{(-5)^{9}}{2^{7}}$

2. $\left(\frac{-9}{7}\right)^{-5}$ =

(i) $\frac{(-9)^{-4}}{7^{-5}}$ (ii) $\frac{(-9)^{-5}}{7^{-5}}$ (iii) $\frac{(-9)^{-6}}{7^{-5}}$ (iv) $\frac{(-9)^{-5}}{10^{-5}}$ (v) $\frac{(-9)^{-5}}{4^{-5}}$

3. $\left(\frac{3}{2}\right)^{(7/6)}$ =

(i) $\frac{\left(\frac{7}{6}\right)^{3}}{\left(\frac{7}{6}\right)^{2}}$ (ii) $\frac{\left(\frac{7}{6}\right)^{3}}{\left(\frac{7}{6}\right)^{(-1)}}$ (iii) $\frac{\left(\frac{7}{6}\right)^{3}}{\left(\frac{7}{6}\right)^{4}}$ (iv) $\frac{\left(\frac{7}{8}\right)^{3}}{\left(\frac{7}{6}\right)^{2}}$ (v) $\frac{\left(\frac{7}{4}\right)^{3}}{\left(\frac{7}{6}\right)^{2}}$

4. $\left(\frac{-5}{4}\right)^{(-5/3)}$ =

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

5. $\left(\frac{5}{2}\right)^{7}$ =

(i) $\frac{5^7}{(-1)^7}$ (ii) $\frac{5^7}{4^7}$ (iii) $\frac{5^7}{2^7}$ (iv) $\frac{5^8}{2^7}$ (v) $\frac{5^6}{2^7}$

6. $\left(\frac{-4}{7}\right)^{-3}$ =

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

7. $\left(\frac{-8}{3}\right)^{(7/5)}$ =

(i) $\frac{(-8)^{\left(\frac{7}{5}\right)}}{\left(\frac{7}{5}\right)^{6}}$ (ii) $\frac{(-8)^{\left(\frac{7}{5}\right)}}{\left(\frac{7}{5}\right)^{3}}$ (iii) $\frac{(-8)^{\left(\frac{7}{3}\right)}}{\left(\frac{7}{5}\right)^{3}}$ (iv) $\frac{(-8)^{\left(\frac{7}{5}\right)}}{1}$ (v) $\frac{\frac{-8}{\left(\frac{7}{5}\right)}}{3}$

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

(i) $\frac{(-9)^{\left(\frac{-8}{3}\right)}}{(-2)^{\left(\frac{-8}{3}\right)}}$ (ii) $\frac{(-9)^{-8}}{1}$ (iii) $\frac{(-9)^{\left(\frac{-8}{5}\right)}}{1}$ (iv) $\frac{(-9)^{\left(\frac{-8}{3}\right)}}{3^{\left(\frac{-8}{3}\right)}}$ (v) $\frac{(-9)^{\left(\frac{-8}{3}\right)}}{1}$

9. $\left(\frac{-4}{3}\right)^{9}$ =

(i) $\frac{(-4)^8}{3^9}$ (ii) $\frac{(-4)^9}{6^9}$ (iii) $\frac{(-4)^{10}}{3^9}$ (iv) $\frac{(-4)^9}{3^9}$ (v) $\frac{(-4)^9}{1}$

10. $\left(\frac{-3}{2}\right)^{-4}$ =

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

11. $\left(\frac{7}{2}\right)^{9}$ =

(i) $\frac{7^9}{5^9}$ (ii) $\frac{7^{10}}{2^9}$ (iii) $\frac{7^9}{2^6}$ (iv) $\frac{7^9}{2^9}$ (v) $\frac{7^8}{2^9}$

12. $\left(\frac{-5}{9}\right)^{(-6/7)}$ =

(i) $\frac{\left(\frac{-6}{7}\right)^{(-5)}}{\left(\frac{-6}{7}\right)^{9}}$ (ii) $\frac{\left(\frac{-6}{7}\right)^{(-5)}}{\left(\frac{-6}{7}\right)^{11}}$ (iii) $\frac{\left(\frac{-6}{7}\right)^{(-5)}}{\left(\frac{-6}{7}\right)^{7}}$ (iv) $\frac{\left(\frac{-6}{5}\right)^{(-5)}}{\left(\frac{-6}{7}\right)^{9}}$ (v) $\frac{\left(\frac{-2}{3}\right)^{(-5)}}{\left(\frac{-6}{7}\right)^{9}}$

Assignment Key

1) (iv)	2) (ii)	3) (i)	4) (i)	5) (iii)	6) (iv)
7) (ii)	8) (v)	9) (iv)	10) (v)	11) (iv)	12) (i)