



1.  $(-9)^2 =$

- (i)  $\frac{(-9)^3}{1}$  (ii)  $\frac{(-9)^2}{1}$  (iii)  $\frac{(-9)^2}{4^2}$  (iv)  $\frac{(-9)^2}{(-2)^2}$  (v)  $\frac{-9}{1}$

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

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

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

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

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

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

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

- (i)  $\frac{3^8}{2^7}$  (ii)  $\frac{3^7}{5^7}$  (iii)  $\frac{3^7}{(-1)^7}$  (iv)  $\frac{3^6}{2^7}$  (v)  $\frac{3^7}{2^7}$

$$6. \left(\frac{8}{7}\right)^{-4} =$$

$$(i) \frac{8^{-5}}{7^{-4}} \quad (ii) \frac{8^{-4}}{9^{-4}} \quad (iii) \frac{8^{-3}}{7^{-4}} \quad (iv) \frac{8^{-4}}{7^{-4}} \quad (v) \frac{8^{-4}}{4^{-4}}$$

$$7. \left(\frac{7}{4}\right)^{(7/4)} =$$

$$(i) \frac{\left(\frac{7}{4}\right)}{7} \quad (ii) \frac{\left(\frac{7}{6}\right)}{7} \quad (iii) \frac{\left(\frac{7}{4}\right)}{7} \quad (iv) \frac{\left(\frac{7}{4}\right)}{7} \quad (v) \frac{\left(\frac{7}{2}\right)}{7}$$

$$(i) \frac{\left(\frac{7}{4}\right)}{2} \quad (ii) \frac{\left(\frac{7}{4}\right)}{4} \quad (iii) \frac{\left(\frac{7}{4}\right)}{4} \quad (iv) \frac{\left(\frac{7}{4}\right)}{7} \quad (v) \frac{\left(\frac{7}{4}\right)}{4}$$

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

$$(i) \frac{\left(\frac{-8}{5}\right)}{5} \quad (ii) \frac{\left(\frac{-8}{7}\right)}{5} \quad (iii) \frac{\left(\frac{-8}{5}\right)}{5} \quad (iv) \frac{\left(\frac{-8}{5}\right)}{5}$$

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

$$9. \left(\frac{7}{4}\right)^9 =$$

$$(i) \frac{7^{10}}{4^9} \quad (ii) \frac{7^9}{6^9} \quad (iii) \frac{7^9}{1} \quad (iv) \frac{7^9}{4^9} \quad (v) \frac{7^8}{4^9}$$

$$10. \left(\frac{7}{4}\right)^{-6} =$$

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

$$11. (-5)^{\left(\frac{7}{3}\right)} =$$

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

$$12. \left(\frac{5}{2}\right)^{(-7/9)} =$$

$$(i) \frac{5^{-1}}{2^{\left(\frac{-7}{9}\right)}} \quad (ii) \frac{\left(\frac{-7}{11}\right)}{5} \quad (iii) \frac{\left(\frac{-7}{9}\right)}{5} \quad (iv) \frac{\left(\frac{-7}{9}\right)}{5} \quad (v) \frac{\left(\frac{-7}{9}\right)}{2}$$

$$(i) \frac{\left(\frac{-7}{9}\right)}{2} \quad (ii) \frac{\left(\frac{-7}{9}\right)}{2} \quad (iii) \frac{\left(\frac{-7}{9}\right)}{(-1)} \quad (iv) \frac{\left(\frac{-7}{9}\right)}{4} \quad (v) \frac{\left(\frac{-7}{9}\right)}{2}$$

## Assignment Key

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1) (ii)

2) (ii)

3) (iv)

4) (iii)

5) (v)

6) (iv)

7) (iii)

8) (iii)

9) (iv)

10) (v)

11) (iii)

12) (v)