



1.  $[2^{-5}]^{-4} =$

- (i)  $2^{21}$  (ii)  $5^{20}$  (iii)  $2^{19}$  (iv)  $2^{20}$  (v)  $(-1)^{20}$

2.  $[(-9)^3]^{-4/5} =$

- (i)  $(\frac{-16}{7})$  (ii)  $(\frac{-12}{5})$  (iii)  $(\frac{-8}{3})$  (iv)  $(\frac{-12}{5})$  (v)  $(\frac{-12}{5})$   
(i)  $(-9)$  (ii)  $(-12)$  (iii)  $(-9)$  (iv)  $(-9)$  (v)  $(-7)$

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

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

4.  $\left[\left(\frac{-9}{5}\right)^{-3}\right]^3 =$

- (i)  $(\frac{-9}{5})^{-9}$  (ii)  $(\frac{-11}{5})^{-9}$  (iii)  $(\frac{-9}{5})^{-10}$  (iv)  $(\frac{-7}{5})^{-9}$  (v)  $(\frac{-9}{5})^{-8}$

5.  $\left[\left(\frac{-3}{5}\right)^{-2}\right]^{-5} =$

- (i)  $(\frac{-3}{5})^9$  (ii)  $(\frac{-3}{5})^{10}$  (iii)  $(-1)^{10}$  (iv)  $(\frac{-3}{5})^{11}$  (v)  $(\frac{-1}{5})^{10}$

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

- (i)  $(\frac{-1}{5})^{16}$  (ii)  $(\frac{-3}{5})^{17}$  (iii)  $(\frac{-3}{5})^{15}$  (iv)  $(-1)^{16}$  (v)  $(\frac{-3}{5})^{16}$

## Assignment Key

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1) (iv)

2) (iv)

3) (v)

4) (i)

5) (ii)

6) (v)

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