

1) Find the value of:

a)  $2^{-3}$

b)  $3^{-2}$

c)  $5^{-1}$

d)  $10^{-4}$

2) Find the value of:

a)  $2^{-3} \times 4^{-1}$

b)  $10^{-2} \times 2^{-4}$

c)  $5 \times 5^{-3}$

d)  $8 \times 2^{-3}$

3) Write these numbers in order of size.

Start with the smallest.

$3^2$   $3^{-1}$   $0.3$   $3^0$   $3^{-2}$   $-3$

4) If  $2^x = \frac{1}{64}$ , find the value of  $x$ .