

1) Evaluate, giving your answer as a simplified fraction

a)  $12^{-1}$

b)  $7^{-2}$

c)  $5^{-3}$

2) Give your answer in the form  $\frac{1}{a^b}$ , where a and b are positive integers

$$7^{-4}$$

3) Give your answer in the form  $a^b$ , where a and b are integers

$$\frac{1}{6^6}$$

4) Give your answer in the form  $\frac{a}{b^c}$ , where a,b and c are positive integers

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

5) Give your answer in the form  $\frac{a}{b^c}$ , where a,b and c are integers

$$-2 \times 5^{-3}$$

## Answers

**1) a)**  $\frac{1}{12}$

**b)**  $\frac{1}{49}$

**c)**  $\frac{1}{125}$

**2)**  $\frac{1}{7^4}$

**3)**  $6^{-6}$

**4)**  $\frac{3}{5^5}$

**5)**  $-\frac{2}{5^3}$