Exponents

Multiple choice questions

1) Correct value of $(6)^0$ is
   a) 1
   b) 6
   c) 0
   d) 3

2) Exponential form of 256 is
   a) 2^7
   b) 2^8
   c) 2^6
   d) 2^5

3) For which of the following law of exponent is not true
   a) $a^m \times a^n = a^{m+n}$
   b) $a^m \times a^n = a^{m-n}$
   c) $a^m \div a^n = a^{m-n}$
   d) $(a^m)^n = a^{mn}$

4) The value of x for $2^x = 64$ is
   a) 2
   b) 4
   c) 6
   d) 8

5) The correct value of 11^{-1} is
   a) 1
   b) 11
   c) $\frac{1}{11}$
   d) $\frac{11}{1}$

6) $(-\ 12)^{-1} \times (\frac{-3}{2})^{-2}$

a) $\frac{1}{18}$

b) 18

c) $\frac{1}{27}$

d) $-\frac{1}{27}$

7) The reciprocal of $(\frac{3}{2})^{-5}$ is

a) $(\frac{3}{2})^{5}$

b) $(\frac{3}{2})$

c) $(\frac{2}{3})^{5}$

d) $(\frac{2}{3})^{-5}$

8) The reciprocal of 7^{3} is

a) $(\frac{1}{7})^{-3}$

b) $(\frac{1}{7})^{3}$

c) $(7)^{-3}$

d) $(7^{0})^{-3}$

9) The exponential form of 64 with base 4 is

a) 4^{2}

b) 4^{3}

c) 4^{4}

d) 4

10) The value of x in $16 \times 4^{x} = 64$ is

a) 1

b) -1

c) 2

d) 0