

Name : \_\_\_\_\_

## Factorials - MCQ

Sheet 1

1) Which of the following statements is true?

a)  $4! 3! = 12!$

b)  $3! + 4! = 7!$

c)  $4! - 3! = 1!$

d)  $\frac{4!}{3!} = 2(2!)$

2) What is the LCM of 1!, 2! and 5!?

a) 120

b) 2

c) 1

d) 240

3) Which of the following is true?

a)  $n - 1$

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d)  $n$

4) What is the value of  $3! + 4! + 5!$ ?

a) 18!

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d) 714

5) Which of the following is true?

a)  $30(4!)$

d)  $20(6!)$

6)  $0! = ?$

a) 1

b) 0

c) 3

d) 2

7)  $8x + 4! = 7!$ , find the value of  $x$ .

a) 627

b) 626

c) 11!

d)  $\frac{3!}{8}$