WIX1002 Fundamentals of Programming Tutorial 6 Java Methods

- 1. Write statements for each of the following
 - a. Define a static method that returns the maximum number from 3 integer parameters.
 - b. Define a static method that that determine whether the given integer is a square number.
 - c. Define a static method that use to compute combination function C(n,k). C(n,k) gives the number of different k-element subsets that can be found in a given set of n elements. C(n,k) = n! / (k! (n-k)!
 - d. Define a static method that used to determine whether the parameter is a pentagonal number. A pentagonal number is a figurate number that extends the concept of triangular and square numbers to the pentagon. Pn = $\frac{1}{2}$ n(3n -1)
 - e. Define a static method that displays the number of letters and the number of digits of a String parameter.
 - f. Define a static void method that generates 10 random numbers within 0 to 100 to the method's parameter. The random numbers can be accessed by the main method.
 - g. Define a static void method that returns the area and the circumference of a circle given the argument is radius. Area = πr^2 and Circumference = 2 πr .
 - h. Define a static method that generate random number within 0-10. The method will return the first random number that generate twice.
- 2. Write a program that consists of a method that can display three numbers in decreasing order.