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

1. A function *f*(*x*) is said to be continuous if …
2. The derivative of a function *f*(*x*) is defined as …
3. Formulate the mean-value theorem.



1. Write the Taylor’s expansion of function *f*(*x*,*y*) up to the linear terms.
2. Write several terms of the binomial formula

(*x* + *y*)*n* = …

1. Can you write down the integral mean value theorem?



1. The relative error is defined as …
2. The significant digits (figures) are …