Python Math Module

- Math.pi # it returns a value of pi
- Math.e # it returns a value of euler number
- Math.inf # an infinite number
- Math.factorial( ) #it accepts an integer number and return its factorial
- Math.comb(n,r) # it returns the value of nCr
- Math.perm(n,r) # it returns the value of nPr
- Math.gcd(a,b) #it returns a greatest common divisor of a and b
- Math.ceil( ) # returns the upper bound
- Math.floor( ) # returns the lower bound
- Math.trunc( ) # truncate the number after decimal poin
- Round( ) # round off a number
- Math.isclose(a,b) # returns True if a and b are very close
- Math.isclose(a,b,abs_tol=num) # it returns true according to the argument passed in abs_tol parameter
- Math.fabs(x) # return the absolute value of x
- Math.fmod(x,y) # float modulus
- Math.modf(x) # separate integer and fractional part
- Math.sqrt(x) # returns square root of x
- Math.pow(a,b) #returns a power of a to the exponent b

- Math.exp(a) #returns e to the power a
- Math.log(a) # returns log to the base e of a
- Math.log2(a) # log base 2
- Math.log10(a) # log base 10
- Math.log(a,b) # log to the base b of a
- Math.dist(p,q) # returns the eucledian distance but 2 dimensions
- Math.hypot(*coordinates) # it handles more than two dimensions
- Math.degrees(x) # convert x radians into degrees
- Math.radians(x) # convert x degrees to radians
- Math.sin(x) # return the sin of x radians
- Math.asin(x) # return the inverse of sin of x , in radians