





Properties of $\Gamma(x) :=$
$1) \Gamma(1) = \Gamma(2) = 1 , \Gamma(\frac{1}{2}) = \sqrt{11}$
2) \(\tau(x+1) = x \(\tau(x) \) \(\tau \) Reccussence Relation
3) $\Gamma(x) = \frac{\Gamma(x+1)}{x}$, for -ve values of x
Y) $\Gamma(n+1) = n!$, $n + ve$ integer
Examples:
(2) $\Gamma(4.3) = 3.3 \Gamma(3.3) = (3.3)(2.3) \Gamma(2.3) = (3.3)(2.3)(1.3) \Gamma(1.3)$ From table (
(3) (-1.5) = -1.5
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