

## Tutorial - 1(C) Beta and Gamma functions

---

1. Define Gamma function. State and prove the properties of gamma function.

2. Find  $\Gamma\left(\frac{15}{3}\right)$  and  $\Gamma(17)$

3. Find  $\Gamma\left(\frac{1}{2}\right)$  using definition.

4. Define Beta function.

5. State relationship between Gamma function and Beta function.

6. Find  $\beta\left(\frac{5}{2}, \frac{9}{2}\right)$

---