

EXERCISE 6.2

1. Evaluate

(i) $8 !$

(ii) $4 ! - 3 !$

2. Is $3! + 4! = 7!$?
3. Compute $\frac{8!}{6! \times 2!}$
4. If $\frac{1}{6!} + \frac{1}{7!} = \frac{x}{8!}$, find x
5. Evaluate $\frac{n!}{(n-r)!}$, when
- (i) $n = 6, r = 2$
- (ii) $n = 9, r = 5$.