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Course: MAT1301-14A-1A16-S2
Book: Pirnot: Mathematics All Around,
5e

Assignment: Unit V Homework

37. Evaluate the expression.

$$C(8,3)$$

$$C(8,3) = \square$$

38. Explain the meaning of the following symbol.

$$C(6,2)$$

Choose the correct answer below.

- ☐ A. $C(6,2)$ indicates a counting permutation formed by selecting six different objects from a set of two available objects.
- ☐ B. $C(6,2)$ indicates a counting combination formed by selecting six different objects from a set of two available objects.
- ☐ C. $C(6,2)$ indicates a counting combination formed by selecting two different objects from a set of six available objects.
- ☐ D. $C(6,2)$ indicates a counting permutation formed by selecting two different objects from a set of six available objects.

39. Find the number of permutations.

6 objects taken 3 at a time

There are $\square$ permutations.

40. Find the number of permutations.

Nine objects taken five at a time

There are $\square$ permutations.

41. Find the number of combinations.

12 objects taken 7 at a time

There are $\square$ combinations.