	Committee = Combination
	More Practice 11.1-11.3 $C \neq$ Name $N_{\text{Name}}$
	Show All Work.
FLP.	1. You are taking a multiple-choice test that has eight questions. Each of the questions has three answer choices, with one correct answer per question. If you select one of these three choices for each question and leave nothing blank, in how many ways can you answer the questions?
^	2. There are 14 standbys who hope to get seats on a flight, but only 6 seats are available on
	the plane. How many different ways can the 6 people be selected?
	3. In how many different ways can a police department arrange eight suspects in a police
8	lineup if each lineup contains all eight people?
FLP	4. For a temporary job between semesters, you are painting the parking spaces for a new shopping mall with a letter of the alphabet and a single digit from 1 to 9. The first parking space is A1 and the last parking space is Z9. How many parking spaces can you paint with distinct labels?
FLP	5. The local seven-digit telephone numbers in Inverness, California, have 669 as the first three digits. How many different telephone numbers are possible in Inverness?
Spec. Case	6. A signal can be formed by running different colored flags up a pole, one above the other. Find the number of different signals consisting of nine flags that can be made using three white flags, five red flags, and one blue flag.
P	7. A camp counselor and six campers are to be seated along a picnic bench. In how many ways can this be done if the counselor must be seated in the middle and a camper who has a tendency to engage in food fights must sit to the counselor's immediate left?
C	8. A four-person committee is to be elected from an organization's membership of 11 people. How many different committees are possible?  3,780  9. How many distinct permutations can be formed using the letters of the word TENNESSEE?
s per len	9! 9.8.7.6.5.4. T E4 N Z 4! z! z! 2 2 3 . 11 S 2

5C2 · 15C10 = 10 · 3603