Na	meDate
	Worksheet G2: Mixed Combinatorics
	if the problem is an example of a permutation or combination. Then evaluate each one oper notation, and your work.
1. H	low many teams of 4 horses would be made if there were 9 horses in the stable?
	lock manufacturer uses the numbers 1 - 30 in its combinations. How many different ombinations for the lock are there if it uses 3-number combinations?
	Nike has nine baseball trophies to arrange on the shelf. How many different ways can hey be arranged?
	n math class, there are 24 students. The teacher picks 4 students to help do a emonstration. How many different groups of 4 could she have chosen?
5. I	n how many ways can 10 people wait in line for concert tickets?

- 6. The teacher has listed 30 books as book report options. You must read 5. How many different sets of 5 books could you have chosen to read?
- 7. How many different ways are there to purchase 2 CD's, 3 DVD's and 1 set of headphones if there are 7 CD titles, 5 DVD titles, and 3 types of headphones available?