Advanced Algebra

Unit 8 Assignment #4

1) You have 13 red marbles and 7 green marbles. You will be selecting three marbles without replacement. Make a tree diagram and answer the following questions.

- 1) What is the probability of getting all green?
- 2) What is the probability of all red?
- 3) P(exactly 2 red)
- 4) P(at least 1 green)
- 5) P (at most 2 red)

2) Beth has 10 yellow marbles and 12 red marbles. She will be selecting three marbles without replacement. Make a tree diagram and answer the following questions.

	Now I am expanding same problem to taking 4 marbles
	Same questions. Can you do this without a tree?
1) What is the probability of selecting all yellow marbles?	
2) P (all red)?	
3) P (exactly 2 red)	
4) P (at least 1 yellow)	
5) P (at most 2 red)	