Foundations 12 – Probability and Combinatorics

Homework: Lesson #6 on Pg. 169: #1-6 (*Can do #7-17*)

Most of Lesson #6 is just doing the same calculations from Chapter 1 on Combinatorics. You should be able to do all of the questions, but I am going to focus on the ones that relate to probability and games the most closely.

<u>Ex 1</u> You draw two cards from a standard deck <u>without</u> replacement. What is the probability that:	
a) the first card is a Jack and the second card is	a 3?
Using multiplication law	Using combinatorics
b) one card is a Jack and the other is a 3?	l
Using multiplication law	Using combinatorics
c) both cards are diamonds?	
Using multiplication law	Using combinatorics

d) both cards are different suits?	
Using multiplication law	Using combinatorics
Ex 2 You are trying to use your bank card, but you fremember that the first digit is a 3 and the second guess your PIN on your first try? (NOTE: a digit can	digit is an odd number. What is the probability you
Using multiplication law	Using combinatorics