Advanced Algebra MORE EXAMPLES TO TRY for Section 10.4

(1) One card is randomly selected from a standard deck of 52 cards.
   (a) What is the probability that the card is a 4 or a queen?
   (b) What is the probability that the card is a diamond or a jack?

(2) There are 63 cars in a used car lot, 60 of which have air conditioning or are silver. There are 18 silver cars and 57 cars with air conditioning. What is the probability that a car selected at random from the lot is silver an dhas air conditioning?

(3) An airline estimates that 90% of its eastbound flights arrive on time and 72% of its westbound flights arrive on time. This morning, 42% of the airline's schedule is westbound flights. If a flight is chosen at random, what is the probability that the flight does not arrive on time?