ECE 3530   5-Card Game Worksheet   **U**

Game: Use a deck of cards with four suits (*R, G, B, Y*) and numbers 1-5, (20 cards total).
           Deal two hands of three cards: one with two cards face up and one card face down,
           and the other with one card face up and two cards face down.
           Group decides which hand is likely to be the best.
           See Conceptual Tools handout on 5-card game for ranks of hands and odds of hands.
           Turn over the face-down cards and score:
                 one point if group guesses high hand correctly,
                 one point if hands are tied, and
                 no points if group guesses incorrectly.
           Group tries to maximize percentage correct over many rounds.

           For the first two rounds, calculate the odds of each possible type of hand (after the
           cards are dealt), and write the number in the table below:

Round 1: hand with two cards face up   Write up cards #, suit here ▢ ▢

P(straight flush)	P(3-of-kind)	P(flush)	P(straight)	P(pair)	P(low hand)

Round 1: hand with one card face up   Write up card #, suit here ▢

P(straight flush)	P(3-of-kind)	P(flush)	P(straight)	P(pair)	P(low hand)

Round 2: hand with two cards face up   Write up cards #, suit here ▢ ▢

P(straight flush)	P(3-of-kind)	P(flush)	P(straight)	P(pair)	P(low hand)

Round 2: hand with one card face up   Write up card #, suit here ▢

P(straight flush)	P(3-of-kind)	P(flush)	P(straight)	P(pair)	P(low hand)

Record % correct guesses after many rounds here: ▢   for # of rounds = ▢