Name:_____   Math 130
Date: 2/10/2025   Quiz 3

1. (6 points) A bag contains 8 scrabble letters. The letters in the bag are:

$$E_1 \quad K_5 \quad J_8 \quad Q_{10} \quad P_3 \quad C_3 \quad G_2 \quad I_1$$

The procedure is to draw a single letter from the bag without looking in the bag. The number next to each letter tells you how many points each letter is worth. Let A be the event that a vowel is drawn, and let B be the event that a letter worth 5 or more points is drawn. Find the following:

a) A b) B c) S

d) $P(A)$ e) $P(B)$ f) $P(S)$

2. (2 points) Suppose you are about to flip a coin 3 times. Let T be the event that coin lands on heads exactly 2 times. Find

a) T b) $P(T)$

3. (2 points) In order to figure out what the probability of getting a blackjack is in the game of blackjack, Greg played 730 hands and received a blackjack 40 times. What is the probability of being dealt a blackjack?