Question 1. [5 marks]

Two candies are chosen randomly from a bag containing 9 crunches, 4 Kit-Kats, and 2 Snickers. Suppose that we win $8 for each Kit-Kat selected and we lose $5 for each crunch selected. Let X denote our winnings. What are the possible values of X, and what are the probabilities associated with each value?

Present your answer in a probability distribution table form.