

TO PASS 80% or higher

Keep Learning

83.33%

Probability (basic and Intermediate) Graded Quiz

83.33%

1. What additional statement, added to the three below, forms a probability distribution? (1) I missed only my first class today

1 / 1 point

(2) I missed only my second class today

(3) I missed both my first and second class today

2. My friend takes 10 cards at random from a 52-card deck, and places them in a box. Then he puts the other 42 cards in a second, identical box. He hands me one of the two boxes $\,$ and asks me to draw out the top card. What is the probability that the first card I draw will be the Ace of Spades?

1 / 1 point



 ${\bf 3.}\quad I$ will go sailing today if it does not rain. Are the following two statements Independent or dependent?

(1) "I will go sailing today"

(2) "It will not rain today"

Incorrect

4. The probability that I will go sailing today AND the fair six-sided die will come up even on

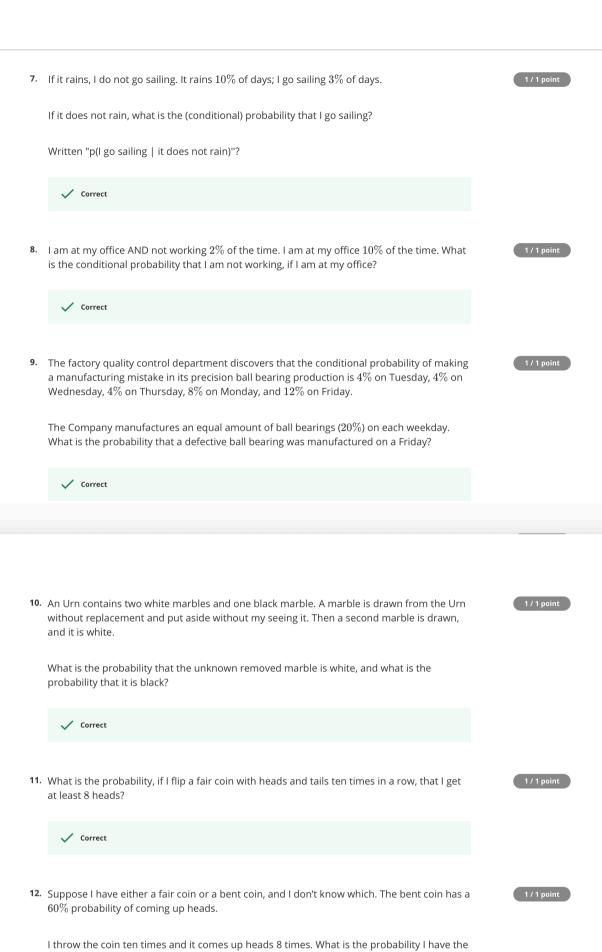
0 / 1 point

If these events are independent, what is the probability that I will go sailing today?

 ${\bf 5.} \quad \hbox{I have two coins. One is fair, and has a probability of coming up heads of.} \\ {\bf 5.}$ The second is bent, and has a probability of coming up heads of 75. If I toss each coin once, what is the probability that at least one of the coins will come up tails? 1 / 1 point







fair coin vs. the probability I have the bent coin?

abbreviated to "prob."

Assume at the outset there is an equal (.5,.5) prior probability of either coin. *Please note that in order to fit the entire formula in the feedback, probability has been

