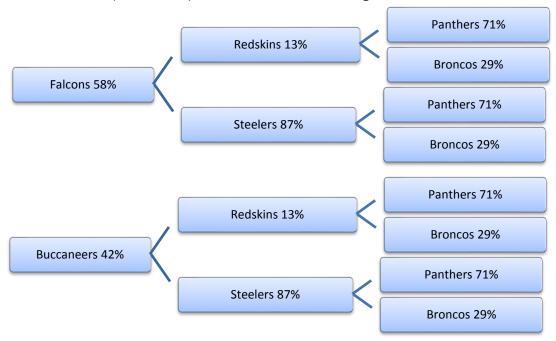
Name:	Date:
You have a co the coupon. Y You can choo	Tree Diagram Practice Supon for a free Frappuccino at Starbucks. There are some specific rules for You can only order one of four flavors, Coffee, Vanilla, Mocha or Caramel. se nonfat, regular or soy based and you can have a whipped cream topping I cream topping.
1) Create (a tree-diagram that represents all the choices of Frappuccino you could get or coupon
2) How ma	ny total Frappuccinos could you order?
3) How mo	ny ways can you order a vanilla Frappuccino?
•	rista randomly makes your order what is the probability that you will get some caramel Frappuccino?
5) What is t	the probability of getting a soy Frappuccino?
6) What is t	the probability that you get a Mocha Frappuccino with no whip cream?
Frappuc	ded the coupon to the cashier and you said "I just want a Vanilla cino and I don't care about the rest." Given that the barista made you a rappuccino what is the probability it also came with whipped cream?

Jake plays Pigskin Pick'Em on ESPN. He has three games that he has to pick each week and he has to determine who he is thinks is going to win. Because certain teams are better than others each team has a different probability of who is going to win. Below is a tree diagram with the three games (Falcons v. Buccaneers: Redskins v. Steelers: and Panthers vs. Broncos) each with the probability of each team winning.



- 8) Sometimes Jake likes to pick all the underdogs for the week (the underdog is the team that is not favored to win). If he picks all the underdogs this week what is the probability that they will all win?
- 9) What is the probability that the Redskins will win?
- 10) Jake's friend Eli wants the Buccaneers, the Steelers, and the Broncos to win. What is the probability that this does NOT happen?
- 11) What is the probability that the Falcons and the Redskins will win?
- 12) What is the probability that the Panthers won't win?