Rock - Paper - Scissors Probability Activity

"FAIR" Game: A game in which winning and losing have equal probabilities.

Answer the questions below based off the information in your tree diagrams:

1. How many outcomes does the game have? _____________
2. Count the number of wins Player A had. ______________
3. What is the probability that Player A will win in any given round? __________
4. Count the number of wins Player B had. ______________
5. What is the probability that Player B will win in any given round? __________
6. Is this game a "fair" game? Why or Why not?

Answer the questions below based off the actual game information.

1. How many outcomes does the game have? ______________
2. Count the number of wins Player A had. ______________
3. What is the probability that Player A will win any given round? ______________
4. Count the number of wins Player B had. ______________
5. What is the probability that Player B will win any given round?
6. How many ties were there? ______________
7. What is the probability that the players will tie any given round? ______________
8. Using complete sentences, compare the tree diagram information with the actual game information that you collected.