

18. George Foster has two pairs of jeans, one blue and one green, and four shirts, a checked red, a checked yellow, a solid white, and a solid purple.

a. Draw a tree diagram to show all the outcomes of choosing a pair of jeans and a shirt.

b. If a shirt and a pair of jeans are picked at random, find the probability of getting:

- (1) blue jeans and a white shirt
- (2) green jeans and a solid color shirt
- (3) gray jeans and a pink shirt
- (4) blue jeans and a checked shirt
- (5) green jeans and any shirt
- (6) either pair of jeans and a purple shirt