

1. What is your name?

Brock Francom

2. Regarding Sybil's experiment w/r rolling a pair of dice:

- A. Write two sentences that explain the advantages of distinguishing the two dice by color.

Advantages include making the notation more clear. For example, $(1, 4)$. Disadvantages are that instead of just having 2 dice, we need to distinguish color.

- B. Examine each of the following propositions and determine whether or not it is true; express your decision by circling either "T" or "F".

i. $X_5 = 4$

T **F**

ii. $X_5 = \{ (1, 4), (2, 3), (3, 2), (4, 1) \}$

T F

3. Smile.