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Wednesday, 6/24/20

Quiz 03

1. Please legibly print your name. Brock Francom

- 2. Please sign your name.
- 3. Examine each of the following propositions to determine whether it is true or not; indicate your decision by circling either "T" or "F":

A.
$$A, B \in \{\text{sets }\} \rightarrow A \subseteq A \times B$$
T

B.
$$\exists A, B \in \{ \text{sets} \} \ni A \subseteq A \times B$$

$$(T) F \qquad A = \{ \emptyset \} : \qquad A \times 3 = \{ \emptyset \}$$

$$B = \{ \emptyset \} : \qquad A \times 3 = \{ \emptyset \}$$

C.
$$\exists A, B \in \{ \text{ sets } \} - \{ \emptyset \} \ni A \subseteq A \times B$$

T \widehat{F}

D. $\{r: r \text{ is a relation on } \{0, 1\}\}$ contains exactly 16 elements

4. Smile.

