

M143

Bell-Ringer!

FRI 9-13-13

Let A, B be sets in universe U .

1. Draw Venn diagrams for $A \cup B, A \cap B$
2. Define $A \cup B, A \cap B$ using "set builder" (set plus condition) notation and logic symbols.
3. Translate each statement into an equivalent statement using logic symbols.
 - i) $x \in A \cup B$
 - ii) $x \notin A \cup B$
 - iii) $y \in A \cap B$
 - iv) $y \notin A \cap B$
 - v) $A \subseteq B$