Guided Practice 5.1

Stephen DuVall
Foundations of Mathematics

October 5, 2022

Progress Check 5.3.

- $A \neq \ , \notin B$
- $5 \in \ , \neq B$
- $A \neq \ , \notin C$
- $\{1,2\} \subseteq \ , \neq \ , \subset A$ I believe its $\subseteq$ because every element of the set is in the set A
- $6 \notin \ , \neq A$
- $\emptyset \subseteq \ , \subset A$
- $\{5\} \subseteq \ , \subset B$
- $\{1,2\} \neq C$ $2^2 = 4 \not\leq 2 \therefore$ it is not equal to C
- $\{4,2,1\} = \ , \subseteq A$ Every element in the set is in A
- $B \neq \ , \notin \emptyset$

I had all the questions answered then I read that it wanted every symbol that would make the statement true. I think when I went back and added more symbols, I may have added some $\subset$'s that may be incorrectly placed.