COSC 440
Homework #0
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Problem 0.1, a-c

(a) All odd positive integers.
(b) All even integers, including zero.
(c) All even positive integers.

Definition 1. *This is a definition. You may need this for your proofs.*

Theorem 1. *This is a theorem. This should just be a statement of the theorem.*

Proof. This is the proof of the above theorem. The little box is Q.E.D. $\qquad\square$

Examples of Symbols

Existential and "in": $\exists i \in S$
Universal: $\forall j \in S$
Subset, subset, proper subset: $S \subset V \subseteq T \subsetneq U$
Union and Intersection: $R \cup S \cap T$
Or, And, XOR: $i \vee j \wedge k \oplus l$
Implication, equivalence, not implies: $i \rightarrow j \leftrightarrow k \nrightarrow l$
Less than or equal, greater than or equal: $i \leq j \geq k$
Equivalent, congruent: $i \equiv j \cong k$
Therefore, various Greek letters: $\therefore \Sigma \Gamma \delta$