EECS20n, Quiz 1 Solution, 1/31/00

The quiz is to provide feedback to you and to me about how well you've followed the material so far. The quiz will take 15 minutes. Do your calculations on the sheet and put a box around your answer .

Please print your name here:

Last Name _____ First _____ Lab _____

1. Given two sets, $A = \{1, 2\}$ and $B = \{a, b\}$, give the graph of each member of $[A \to B]$.

   Answer:

   $$\boxed{\begin{array}{l} \{(1, a), (2, a)\} \\ \{(1, a), (2, b)\} \\ \{(1, b), (2, a)\} \\ \{(1, b), (2, b)\} \end{array}}$$

2. For what values of $x \in$ *Reals* does the following predicate evaluate to true:

   $$[1, x) \cap [1.5, 3] = \{y \in \textit{Reals} \mid 1.5 \leq y \leq 3\}?$$

   Answer: $\boxed{x > 3}$

3. Have you taken math 55? $\boxed{\text{no}}$ Are you taking it now? $\boxed{\text{no}}$