Get three pieces of paper. Write your name and section number on each one.
At the top of one, write “Part 1”.
At the top of another, write “Part 2”.
At the top of the third, write “Part 3”.

1. Give the Hasse diagram for the divisibility relation on the set \{3, 5, 7, 9, 15, 25\}. 
2. Give a derivation tree for the string 110000 in this grammar:

\[
\begin{align*}
S & \rightarrow 1S \\
S & \rightarrow 00A \\
A & \rightarrow 0A \\
A & \rightarrow 0
\end{align*}
\]
3. List the maximal elements.
4. List the minimal elements.
5. Is there a least element?
6. List all upper bounds for \{C,D,F\}