cs.gettysburg.edu/~cpresser/cs301

Terminal

mkdir cs301

cd cs301

cd ..
pwd

pdflatex file.tex
Graphs

\[ G = (V, E) \]

\[ G = ( \{ A, B, C, D, E \}, \{ (A, B), (A, C), (A, D), (C, D), (C, E) \} ) \]
How are solutions to problems computed? (automata)
What problems have solutions? (computability)
What makes a problem difficult? (complexity)
alphabet-set of symbols (non-empty, finite)

\[ \Sigma = \{a, b\} \]
\[ \Gamma = \{0, 1, 2\} \]

string over an alphabet - seq. of symbols

variables \( w = \text{"ababa"} \)