# 1.

Yes

# 2.

Yes

# 3.

Yes

# 4.

CSCI 338 provides alternative ways to think about computation and how problems can be solved within a computer. It allows us to determine how difficult a problem can be to solve and how to formally classify these problems. Knowing these attributes about a problem allows us to approach finding a solution in the best manner. Once we have found a solution it is imperative that we determine the time complexity to understand if the solution to problem can be computed in a reasonable amount of time.

# 5.