Review QUIZ 1 of 1

Computational Intractability: P, NP & NP-Complete Problems

(All questions are based on Lecture Notes. Go to the Lecture Notes and fully understand the topics!)

Q1. Three General **Problem Categories**?
[GO TO Lecture Note Slide #6, #7, #8, #9, #10, #12, #14]

Q2. P? **Nondeterministic algorithm**? **NP**? Is **P=NP**?
[GO TO Lecture Note Slide #13, #23, #24, #25, #26, #28, #35, #36, #37]

Q3. NP-Complete? Three examples of NP-Complete problems?

Q4. Polynomial-Time Reduction A $\leq_p$ B? When is it used? **How to show** that a new problem X is NP-Complete?