Computability and complexity

For all of the questions below, answer **True** or **False**.

(a) It is proven that $P = NP$.

(b) It is proven that $P \neq NP$.

(c) All NP-complete problems may be reduced to each other in polynomial-time.

(d) All problems in P are also in NP.

(e) All decision problems are either in P or NP.

(f) All problems where YES-instances may be verified in polynomial time, are in NP.

(g) If someone manages to solve the decision problem **Hamiltonsykel**, **Knapsack** or **Sudoku** in polynomial time, then they have proved that $P = NP$.

(h) All decision problems may be solved with a sufficiently fast computer.