

Complements of sets

Suppose V_0 is an independent set in G .
What can you say about $G \setminus V_0$?

Suppose V_0 is a clique in G .
What can you say about $V \setminus V_0$?

Suppose V_0 is a vertex cover in G .
What can you say about $V \setminus V_0$?