New Graphs from Old.

Concepts & Notation

- Sec. 1.6.1: Union, intersection, join.
- Sec. 1.6.2: Vertex & edge cuts, cut vertex, bridges, edge contraction.
- Sec. 1.6.3: Complements.
- Sec. 1.6.4: Graph minors.

1. Find the complement $p_3^c$ of $p_3$.

2. Find the complement $c_4^c$ of $c_4$. 
3. Let $e = (1, 2)$. Find $p_3/e$.

4. Explain why $p_2$ is a minor of $p_3$.

5. Is it true that $p_2$ is a minor of any path?

6. Let $e = (1, 2)$. Find $c_4/e$.

7. Can you say anything about all cycles?