

This miniproject asks you to investigate isomorphic graphs.

Determine whether the pairs of graphs in each question are isomorphic. If they are, give the isomorphism (that is, tell which  $v$ -vertex each  $u$ -vertex would have to map to). If the graphs are not isomorphic, explain why (for example, find a feature that one graph has that the other one lacks).

- (a) #34 in Section 9.3.
- (b) #36 in Section 9.3.
- (c) #38 in Section 9.3.
- (d) #40 in Section 9.3.
- (e) #42 in Section 9.3.
- (f) #44 in Section 9.3.