## MAD 3104 DM1 Quiz 4f 11 Oct $1995 \quad$ Name:

Show ALL work for credit; be neat; and use only ONE side of each page of paper.

1. Decide if the two graphs below are isomorphic or not. If they are isomorphic, then give an isomorphism. If they are not isomorphic, then explain why they are not isomorphic.

2. Prove by induction: $4^{n}>n^{2}$ for $n \geq 1$.
