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| **151 Math Second Quiz** |
| **Name:**  **ID:** |

1. If is a relation on a set , Find
2. If R and S are relations on the set A={1,2,3,4,5} given by R={(1,1),(1,2),(2,3),(3,2),(3,4),(4,4),(5,5)} and S={(1,1),(1,2),(2,1),(4,5),(5,1)} , then answer the following:
3. RS Using matrix representation.
4. The digraph of R.
5. RS
6. Let R be the relation on the set of real numbers defined by:  
   Answer the following:
7. Is R reflexive? Justify your answer.
8. Is R symmetric? Justify your answer.
9. Is R antisymmetric? Justify your answer.
10. Is R transitive? Justify your answer.