# Hibernia College – Section 6

## 6.1 Digraphs

## 6.2 Relations

1. Using Digraphs to illustrate relations
2. Equivalence relations
3. Partial orders

## 6.3 Relations and Cartesian Products

## 6.4 Exercises

True / False Questions

## 6.5 Exam Questions

What is the total number of subsets of S?

Draw the relationship digraph for *R* on *S* and say, with reason, whether this relation is

1. reflexive
2. symmetric
3. transitive
4. a partial order

R is a relation defined on S as follows