# Hibernia College Section 4 Functions

Exam Questions

Question 4

A function f: X-> Y , where $X = \{p,q,r,s\}$ and $Y =\{1,2,3,4,5\}$ is given by the subset of $X \times Y$

* Show f as an arrow diagram
* State the domain, the co-domain, and the range of f
* Say why f does not have the one-to-one property and why f does not have the "onto" property, giving a specific counter example in each case.