**ASSIGNMENT - 2**

**1.** Find the domain and range of the relation.

{(0,0),(-8,4),(2,1),(-3,4),(-8,0)}

**2.** Let R be the relation on positive integers defined by:

i. Write R as a set of ordered pairs. ii. Find R-1

iii. Find the domain and range of R. iv. Find the composition relation

**3** Let . Define the relation R by aRb if and only if

Find, R, Domain of R ,Range of R.

**4.** suppose R and S are two relations from A to B then

**5.**Let R = {(1, y), (1, z), (3, y)} be a relation from A = {1; 2; 3} to B ={x, y, z}

a. Find R-1 ? b. Compare (R-1)-1 and R ?

**6.**Given the following two relations from

aRb if and only if

aSb if and only if

List the elements of

**7.** Let R and S be two relations on a set of positive integers I,

Find

**8.**Let f and g functions defined by respectively find?