



# MATHS

## BOOKS - CENGAGE

### SETS AND RELATIONS

#### Question Bank

1. Let  $n(U)=700$ ,  $n(A)=200$ ,  $n(B)=300$  and  $n(A \cap B)=100$ , then  $n(A^c \cap B^c)=$



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2. If  $A = \{1,2,3\}$  ,  $B = \{1,4,6,9\}$  and  $R$  is a relation from  $A$  to  $B$  defined by "x is greater than y ".

The range of  $R$  is



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3. Let set  $A = \{1, 2, 3\}$ . Then find number of ordered pairs which when added to  $R$  make it reflexive but not symmetric



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