

# Department Of Mathematics [S.F]

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# Venn diagram

Difference of two sets



- ▶ The difference of two sets A and B is the set of all elements which belongs to a but not to B .
- ▶ It is denoted by  $A \sim B$ .
- ▶ Some Times  $\sim$  is also denoted by “\_”.

example:  $A = \{1, 2, 3, 4\}$   
 $B = \{2, 3, 5, 6\}$   
 $A \sim B = \{1, 4\}$   
 $B \sim A = \{5, 6\}$



$A \sim B$

$B \sim A$

 $A \sim B =$  

 $B \sim A =$  

Thank you

The background features abstract, overlapping geometric shapes in various shades of green, ranging from light lime to dark forest green. These shapes are primarily located on the right side of the frame, creating a modern, layered effect against the white background.