

General instructions for Students: Whatever be the notes provided, everything must be copied in the Mathematics copy and then do the HOMEWORK in the same copy.

CLASS – VIII

11. Factotazation

MATHS

Exercise – 11.4

Factorise:

3(i) $y^2 - 5y - 24$

Solution: $y^2 - 5y - 24 = y^2 - (8 - 3)y - 24$
 $= y^2 - 8y + 3y - 24$
 $= y(y - 8) + 3(y - 8)$
 $= (y - 8)(y + 3) \text{ Ans.}$

7(ii) $3x^2 - 5xy - 12y^2$

Solution : $3x^2 - 5xy - 12y^2 = 3x^2 - (9 - 4)xy - 12y^2$
 $= 3x^2 - 9xy + 4xy - 12y^2$
 $= 3x(x - 3y) + 4y(x - 3y)$
 $= (x - 3y)(3x + 4y) \text{ Ans.}$

HOMEWORK

EXERCISE – 11.4

QUESTION NUMBERS : 1(ii), 4(ii), 5(ii), 8(ii), and 11(i), (ii)
