

**FAR
BEYOND**

MAT122

Domain/Range - Introduction



Stony Brook University

xy-Plane

Plot ordered pairs on the **xy-plane**:

format: (x,y)

$A (-3,5)$

$B (2,-4)$

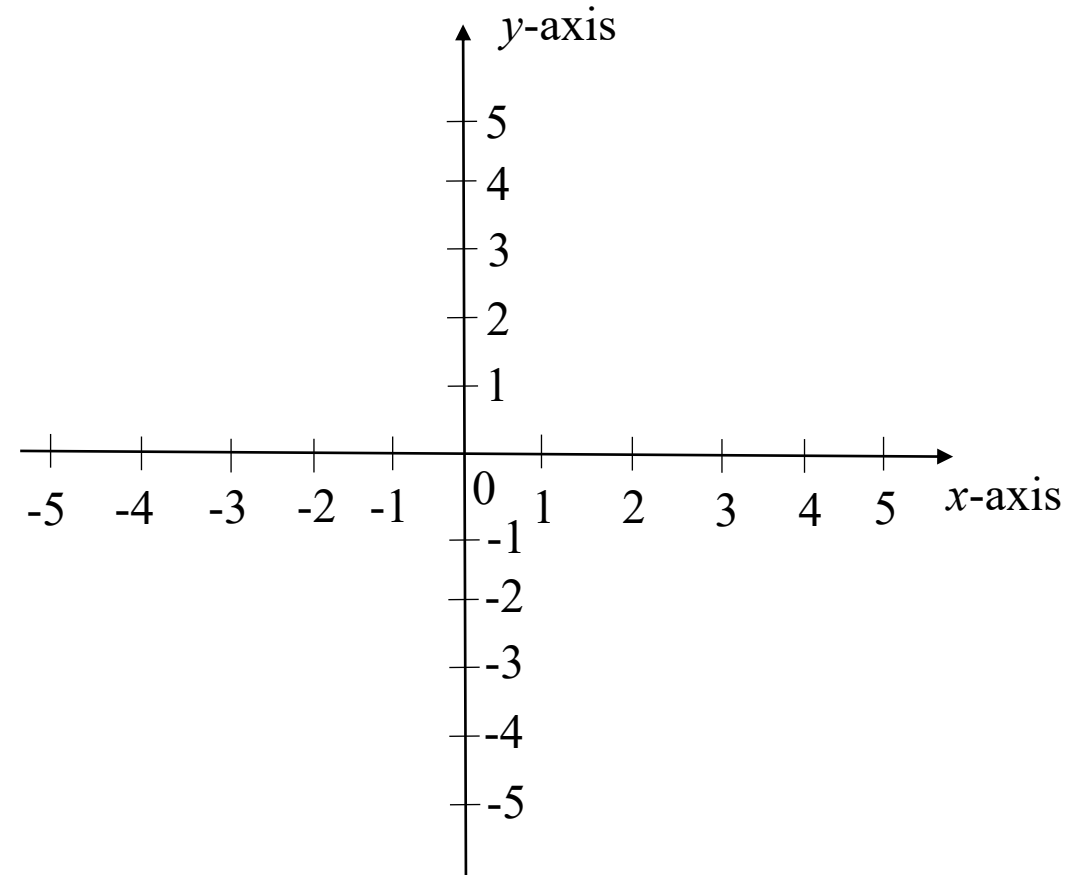
$C (-5,-3)$

$D (5,0)$

$E (0,4)$

$F (0,0)$

arrows indicate the positive direction



Domain/Range

“is defined as”

Domain := all the x -values in a set

Range := all the y -values in a set

$\{(A,1), (B,12), (C,5)\}$

domain:

range:

$\{(A,1), (B,8), (C,1), (A,5)\}$

domain:

range:

Do: State the domain and range of $\{(0,9.1), (10,6.7), (30,13.2), (24,10.8)\}$

domain:

range: