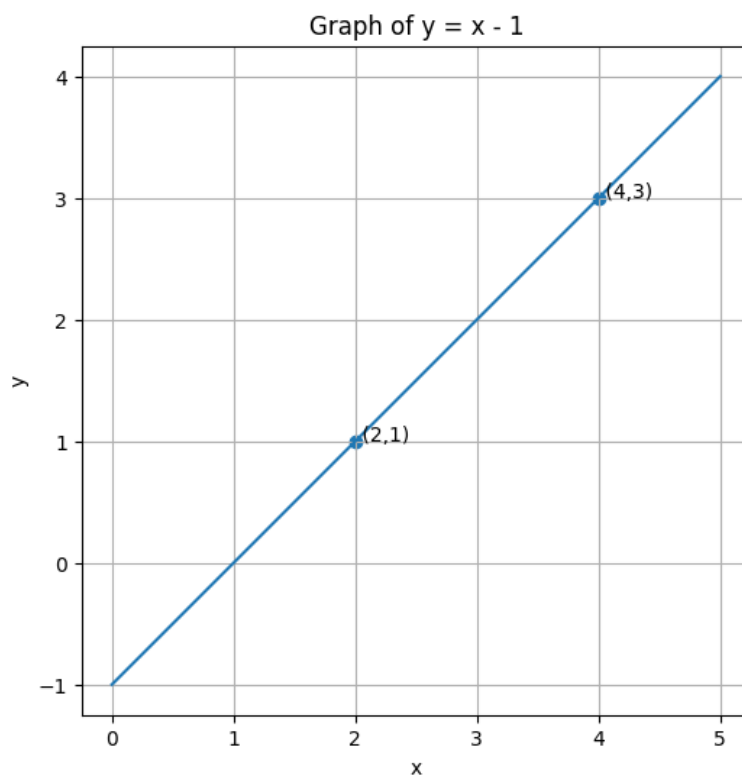
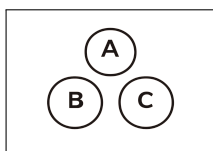


# 17 Functions and Graphs

## Line/Linear Functions

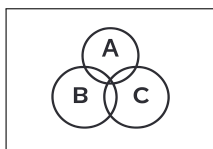
# B



$$P_1 = (4, 3)$$

$$P_2 = (2, 1)$$

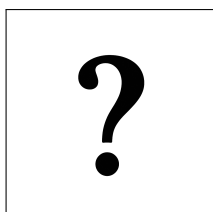
$$m = (1 - 3) / (2 - 4) = -2 / -2 = 1$$



$$P_1 = (x_1, y_1)$$

$$P_2 = (x_2, y_2)$$

$$m = (y_2 - y_1) / (x_2 - x_1)$$



$$P_1 = (2, 4)$$

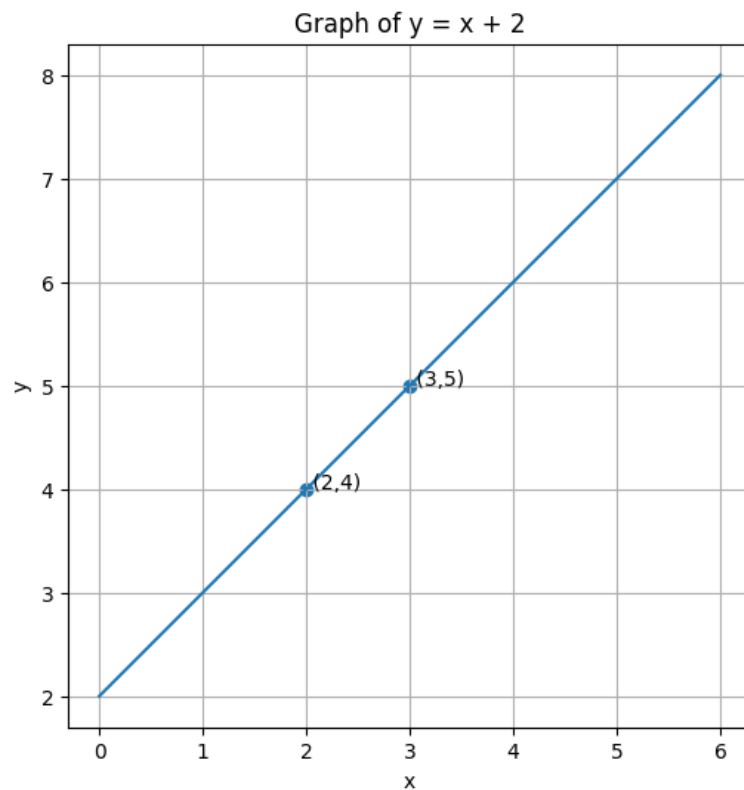
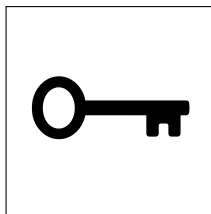
$$P_2 = (3, 5)$$

$$m = ?$$

# 17 Functions and Graphs

## Line/Linear Functions

# B



$$P_1 = (2, 4)$$

$$P_2 = (3, 5)$$

$$m = (5 - 4) / (3 - 2) = 1 / 1 = 1$$