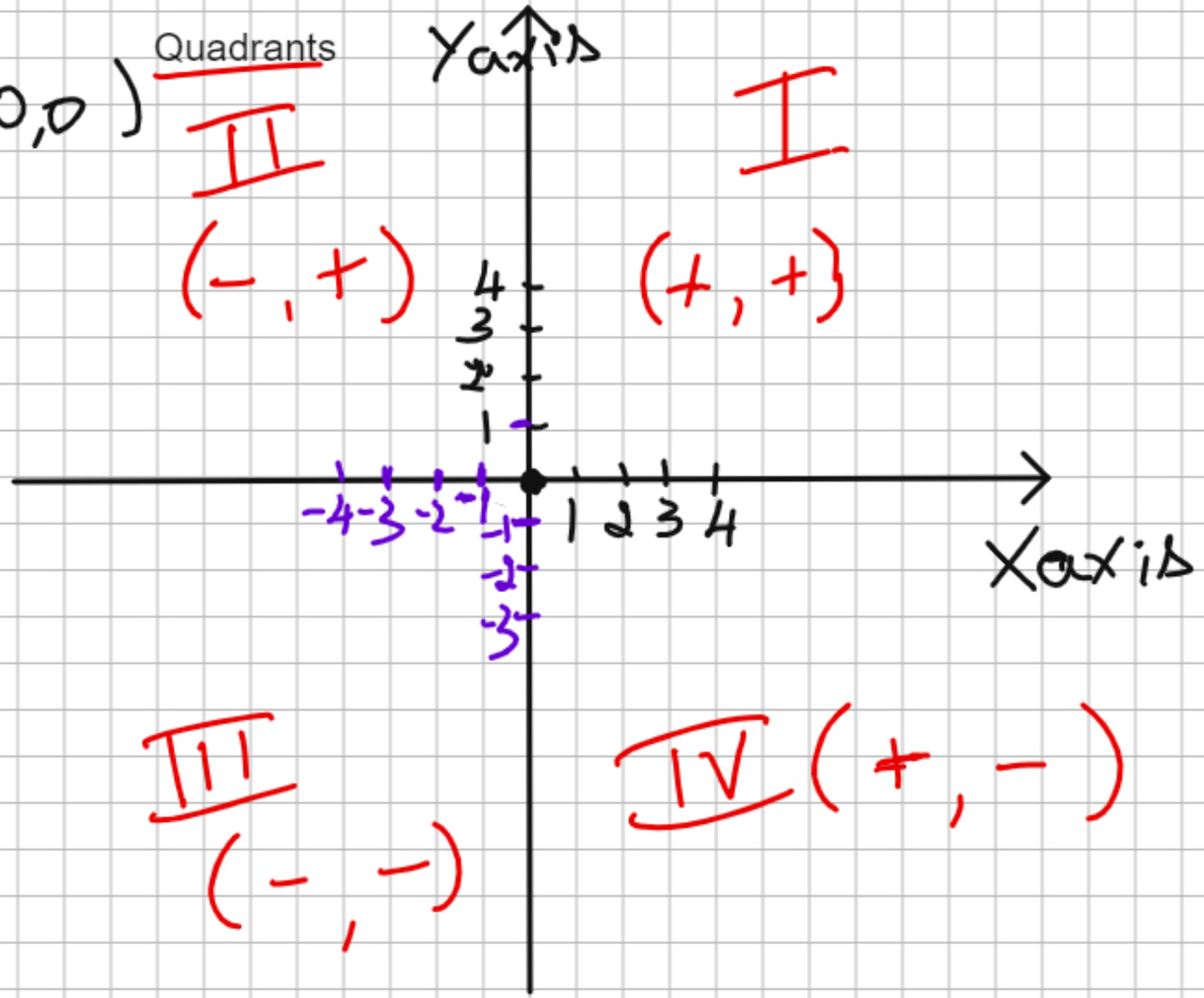
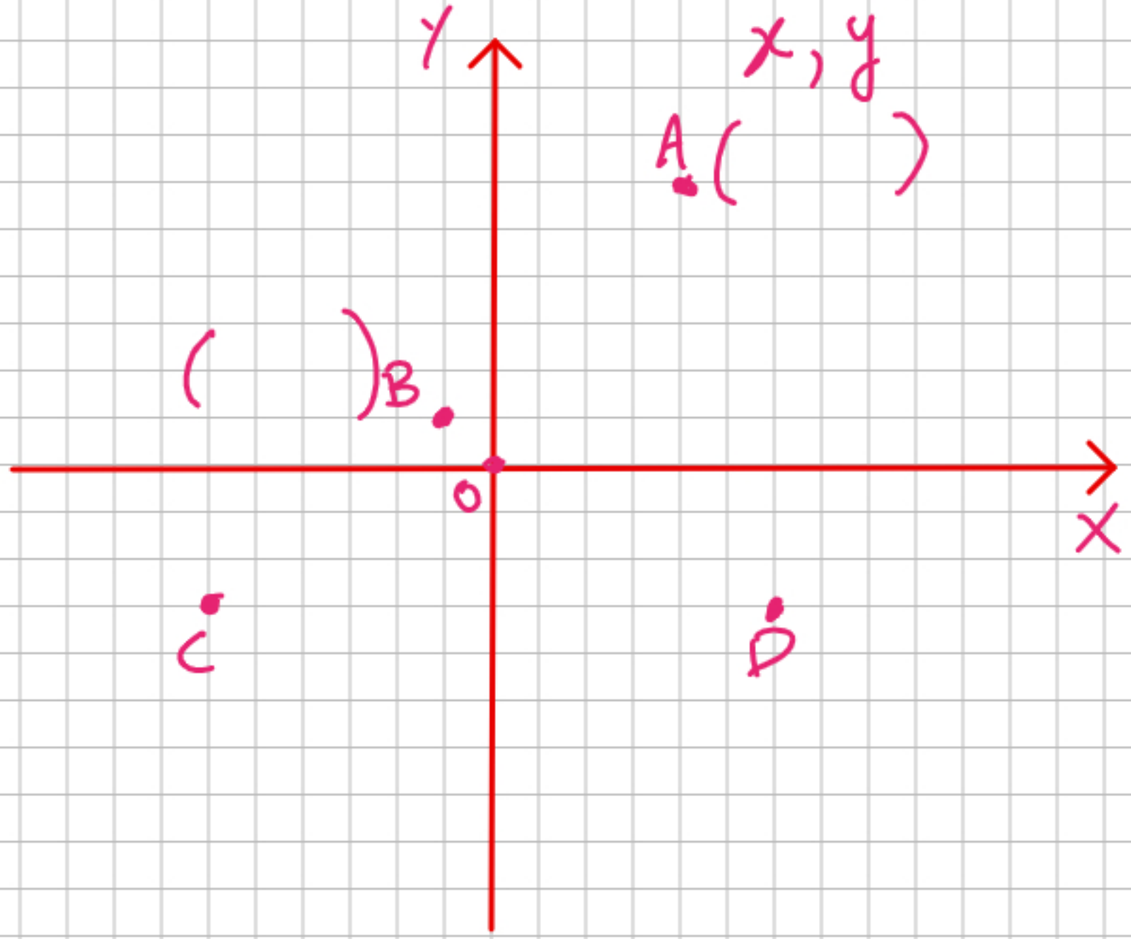
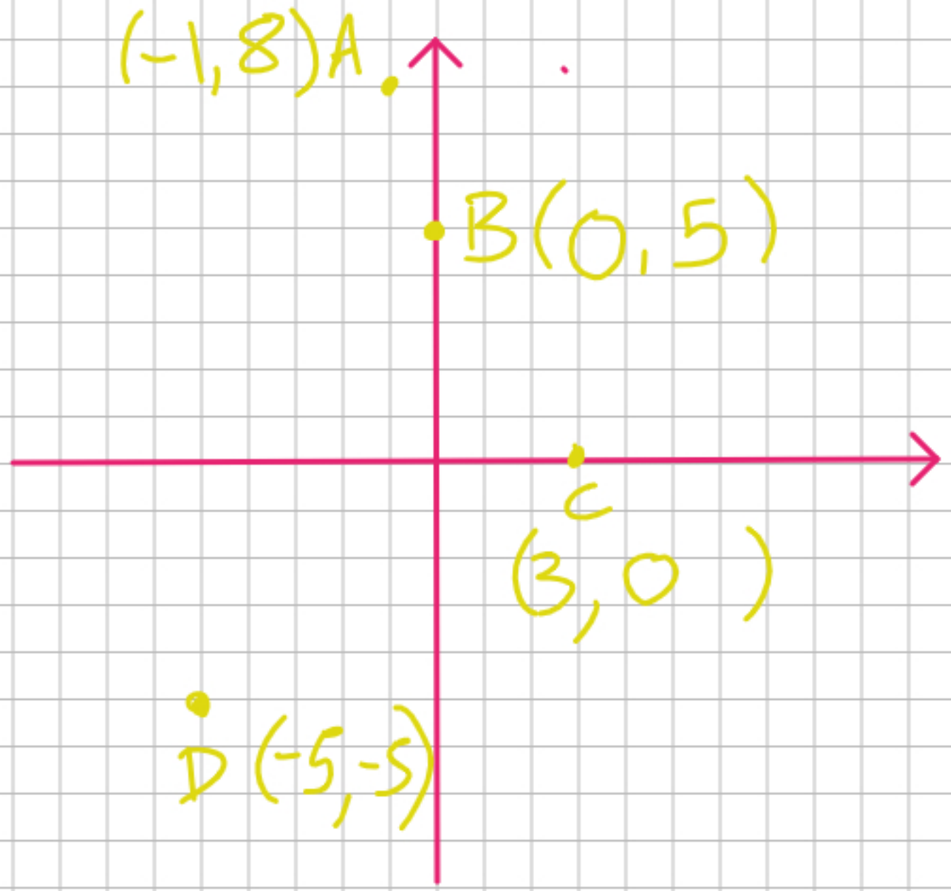
Origin (0,0)

Quadrants





A(1, 2) I

B(1, -3) IV

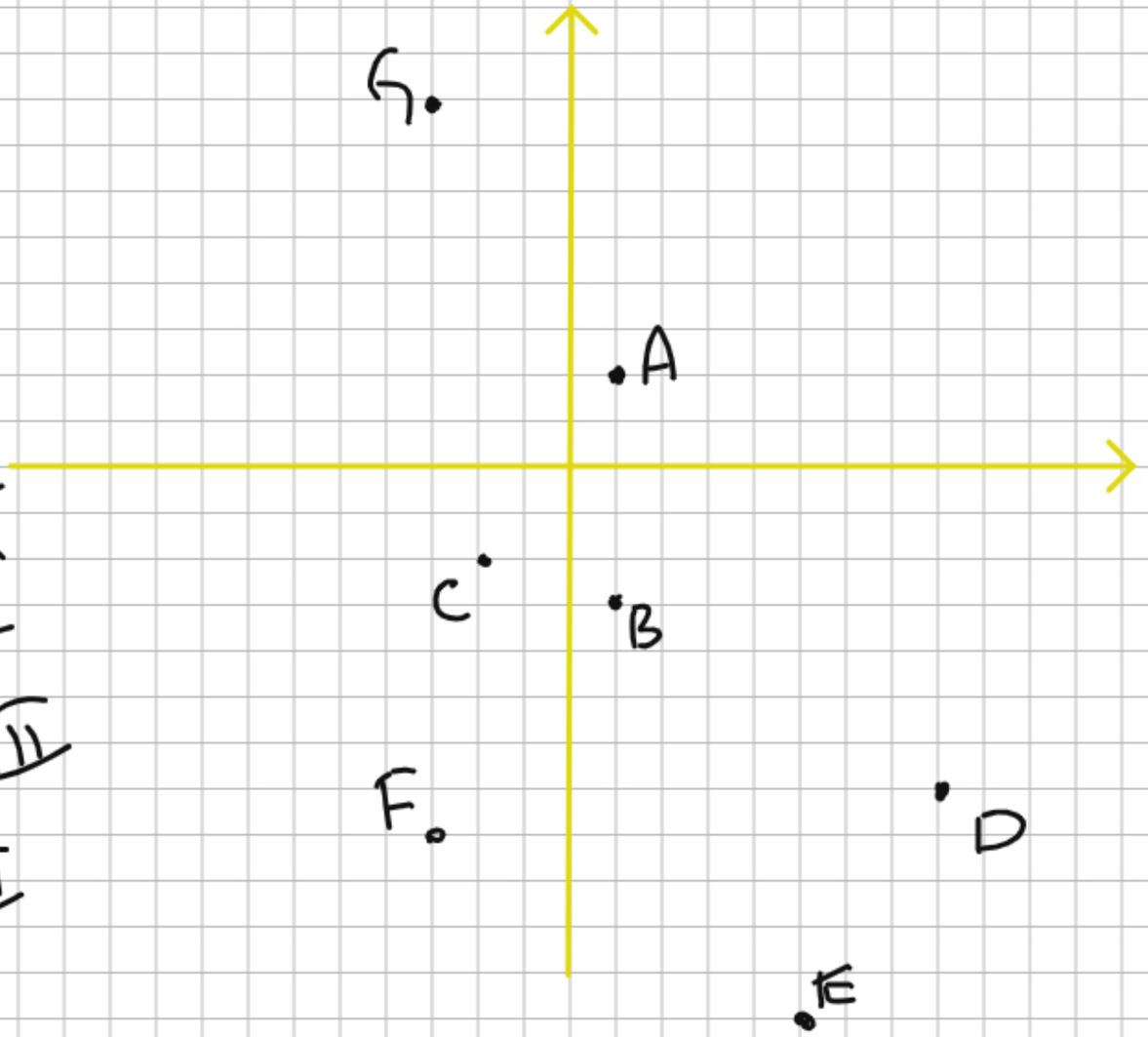
C(-2, -2) III

D( 8, -7) IV

E(5, -12) IV

F (-3, -8) III

G(-3, 8) II



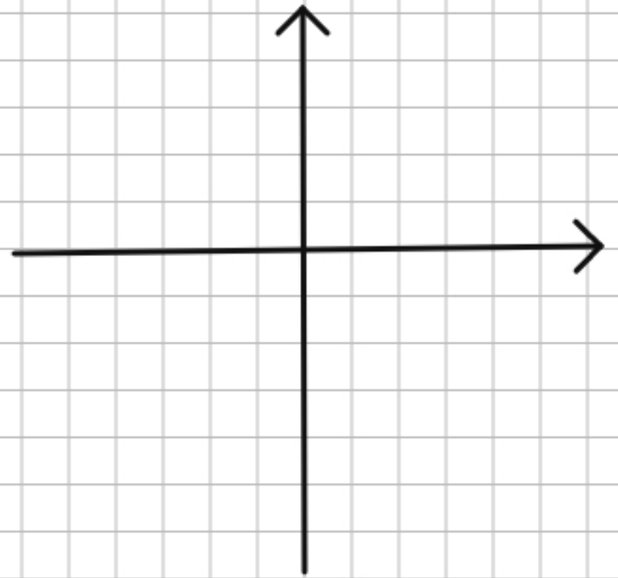
$(3, -900)$ IV

$(-100, -107)$ III

$(-17, 27)$ II

$(-25, 29)$ II

$(5, -6)$ IV

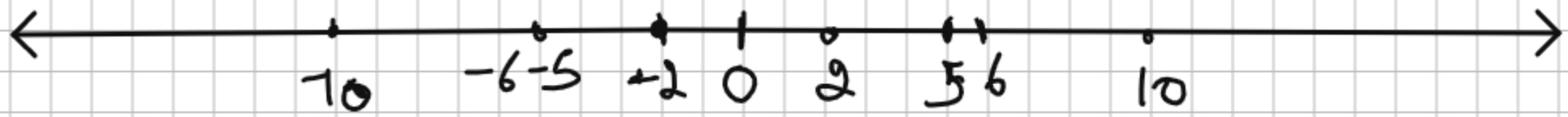


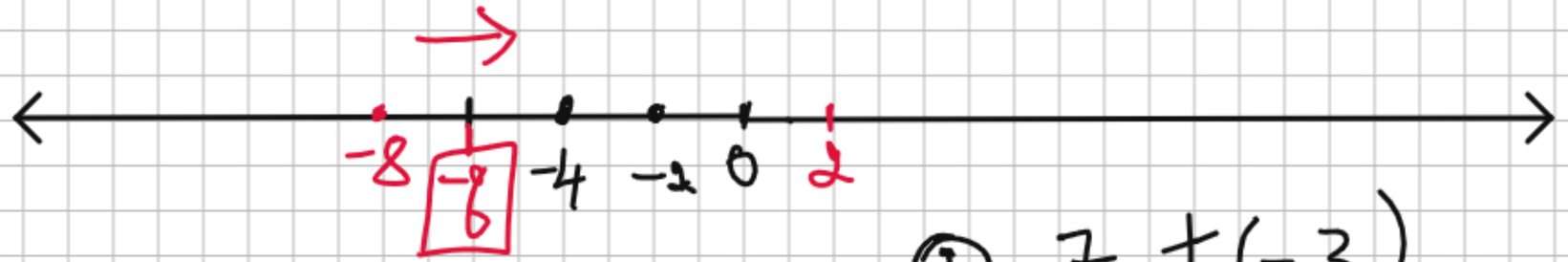
# Integers.

- $5, 6, 14 \longrightarrow +ve$

$-5, -6, -14 \longrightarrow -ve$

| | |
|---|---|
| $-2$ | $2$ |
| $+6$ | $-6$ |
| $-5$ | $5$ |
| $-10$ | $10$ |






Adding.

5 and -2 = 3

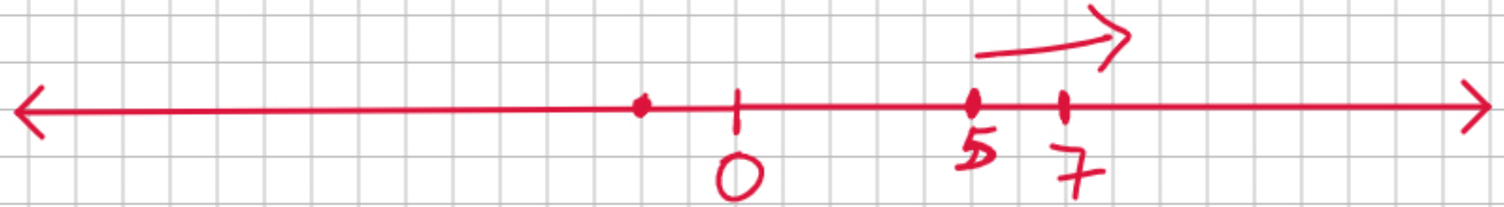
-4 and -2 = -6

① $7 + (-3)$

② $(-8) + 2$

③ $8 + (-4) = 4$

$5 + (-2)$




## Subtraction

$5 - (-2) = 7$

$5 + 2$

$$\left.\begin{matrix} - & - \\ + & + \end{matrix}\right] +$$

$$\left.\begin{matrix} - & + \\ + & - \end{matrix}\right] -$$

$7 - (-2)$

$7 + 2$

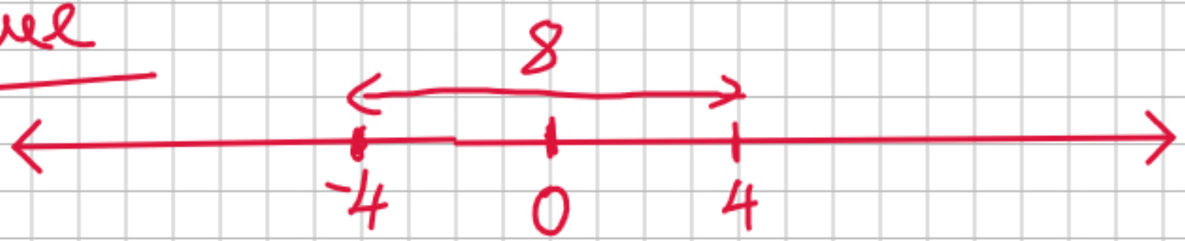
$9$

$-7 - (-2)$

$-7 + 2$

$-5$

## Absolute value




## Modulus

→ $|-4|$.

$-4 + 8 = 4$

$-5 + 10 = 5$

Adding

$|-3| + 3 =$

$3 + 3 = 6$

$|-9| + |-3| =$

$9 + 3 = 12$

$8 - |-3|$

$= 8 - 3 = 5$

$+|10| - (-10)$

$10 + 10$

$20$

$$(-6) - |-7|$$

$$-6 - 7$$

$$-13$$

$$- \quad -$$
$$+ \quad +$$
$$\Big] +$$