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1 MIC

Matematika Dasar.

1. Buatlah grafik dari fungsi :

a. $y = 2x$

Jawab :

Anggap x bilangan real	Untuk $x = 1$	$x = 2$	$x = 3$	$x = 4$
$y = 2x$ (untuk $x = 0$)	$y = 2x$	$y = 2x$	$y = 2x$	$y = 2x$
$y = 2(0)$	$y = 2(1)$	$y = 2(2)$	$y = 2(3)$	$y = 2(4)$
$y = 0$	$y = 2$	$y = 4$	$y = 6$	$y = 8$
$(0, 0)$	$(1, 2)$	$(2, 4)$	$(3, 6)$	$(4, 8)$

$x = 5$

$y = 2x$

$y = 2(5)$

$y = 10$

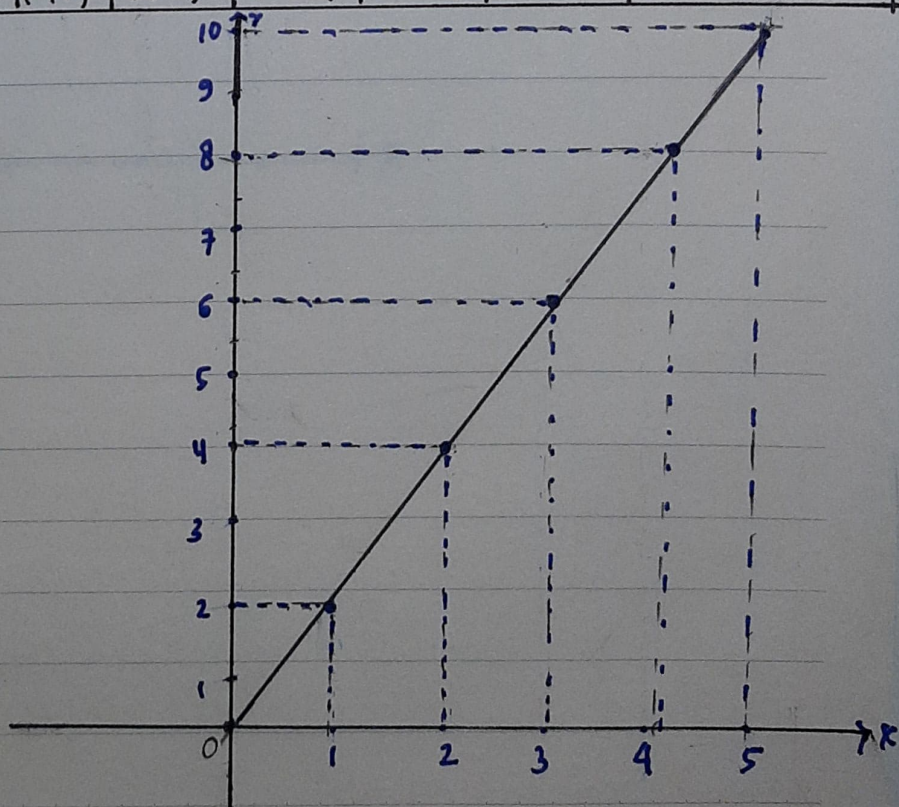
$(5, 10)$

sehingga diperoleh tabel :

x	0	1	2	3	4	5
y	0	2	4	6	8	10
x, y	$(0, 0)$	$(1, 2)$	$(2, 4)$	$(3, 6)$	$(4, 8)$	$(5, 10)$

dari tabel Koordinat

diperoleh .



b. $y = 6 - 3x$

Jawab

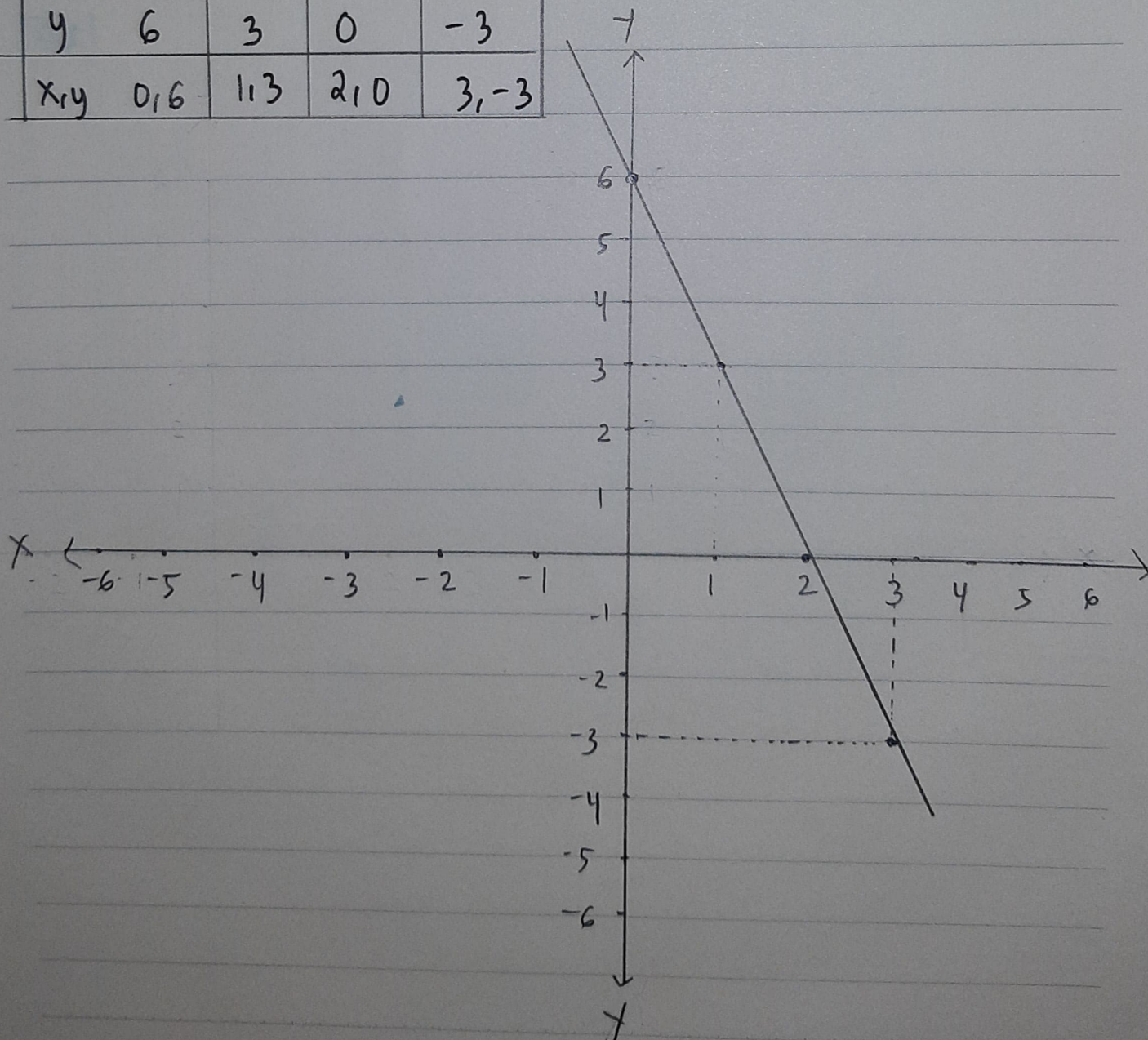
Anggap x bilangan real

Jika $x = 0$	$x = 1$	$x = 2$	$x = 3$
$y = 6 - 3x$	$y = 6 - 3x$	$y = 6 - 3x$	$y = 6 - 3x$
$y = 6 - 3(0)$	$y = 6 - 3(1)$	$y = 6 - 3(2)$	$y = 6 - 3(3)$
$y = 6$	$y = 6 - 3 = 3$	$y = 0$	$y = -3$
$(0, 6)$	$(1, 3)$	$(2, 0)$	$(3, -3)$

Tabel

x	0	1	2	3
y	6	3	0	-3
x, y	0, 6	1, 3	2, 0	3, -3

GRAFIK



$$y = 2x + 3$$

Jawab :

Jika $x = 0$

$$y = 2x + 3$$

$$y = 2(0) + 3$$

$$y = 3$$

$$(0, 3)$$

Jika $y = 0$

$$y = 2x + 3$$

$$0 = 2x + 3$$

$$-3 = 2x$$

$$\frac{-3}{2} = x$$

$$\left(-\frac{3}{2}, 0\right)$$

