NAMA: TINGKATAN:

RABIHAH RAMLI,SMKTP,LANGKAWI,KEDAH.

Rantau dan penyelesaian bagi suatu ketaksamaan linear.

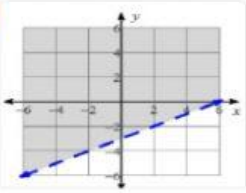
1.Diberi persamaan linear $-4y > 2x + 4$.Tanpa melukis graf garis lurus,tentukan sama ada titik-titik yang memuaskan ketaksamaan di atas.

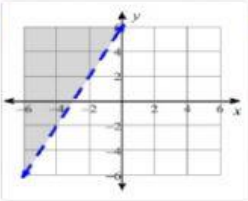
(-1, -0.5)	(0, 0)	(-8, 2)	(-2.1, 0)

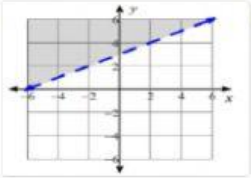
MEMUASKAN	TIDAK MEMUASKAN KETAKSAMAAN

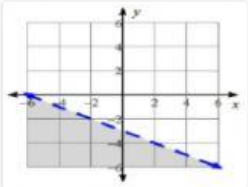
2.Tentukan rantau yang mewakili ketaksamaan berikut

$$y > \frac{1}{2}x + 3$$

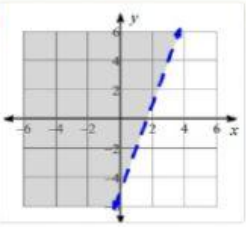
a 

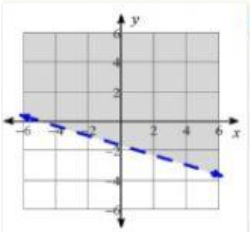
b 

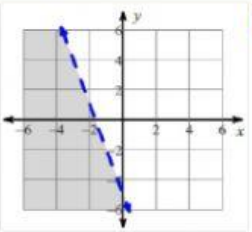
c 

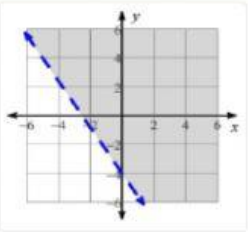
d 

$$y < -3x - 5$$

a 

b 

c 

d 

3.Suai padankan penyelesaian bagi nilai y

x-y>-1	y<(5/3)x
4x-5y≥20	y<x+1
5x-3y>0	y≤(4/5)x-4

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4.Tentukan rantau yang mewakili ketaksamaan berikut

$$5x + 4y \leq -20$$

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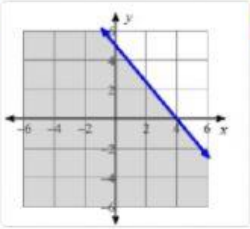

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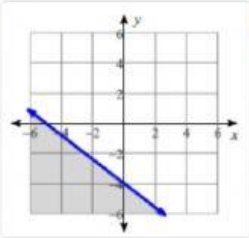

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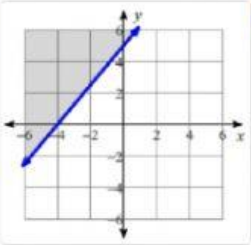

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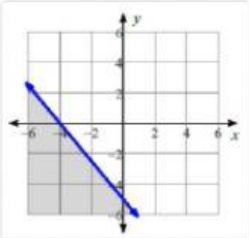

5.Tentukan rantau yang mewakili ketaksamaan berikut

$$4x - 5y > 25$$

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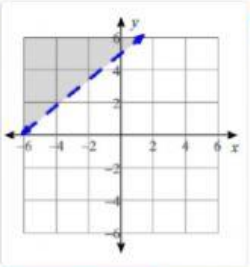

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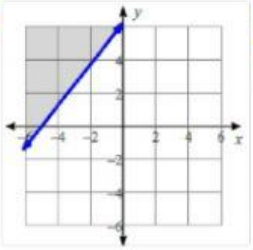

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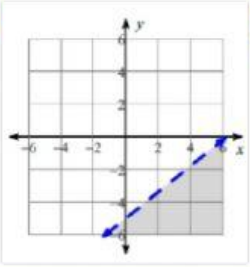

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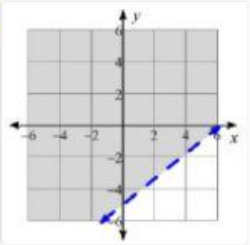


notes

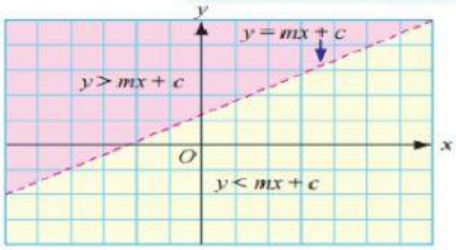
Apakah kaitan antara titik pada satah Cartes dengan ketaksamaan $y > mx + c$, $y < mx + c$, $y \geqslant mx + c$ dan $y \leqslant mx + c$?

$>, <$

- Titik-titik berada di rantau atas atau rantau bawah suatu garis lurus $y = mx + c$.
- Garis lurus dilukis dengan menggunakan garis sempang.

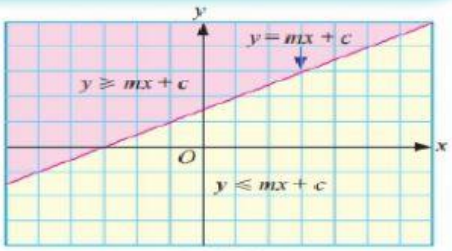
$\geqslant, \leqslant$

- Titik-titik yang ada pada garis lurus $y = mx + c$ termasuk dalam kawasan rantau atas atau rantau bawah.
- Garis lurus dilukis dengan menggunakan garis padu.



Rajah 4

Rantau tidak termasuk titik-titik yang terletak pada garis lurus $y = mx + c$



Rajah 5

Rantau termasuk titik-titik yang terletak pada garis lurus $y = mx + c$

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