

KETAKSAMAAN LINEAR (KERTAS 2)

Ingat ini!!!

tanda $>$ atau $\geq \Rightarrow$ diatas garis
 tanda $<$ atau $\leq \Rightarrow$ dibawah garis
 $>$ (garis putus-putus), $\geq$ (garis tebal)

1) $y > ax + c$



- garis putus-putus
 - diatas garis

2) $y \leq ax + c$



- garis tebal
 - dibawah garis

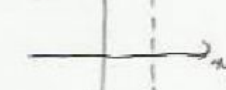
Nota

① $y = 3$



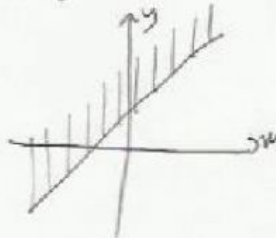
$y > 3 \Rightarrow$ atas
 $y < 3 \Rightarrow$ bawah

② $x = 3$



$x > 3 \Rightarrow$ kanan
 $x < 3 \Rightarrow$ kiri

3) $y \geq ax + c$



- garis tebal
 - ~~dik~~ kawasan yg memuatkan titik diatas garis

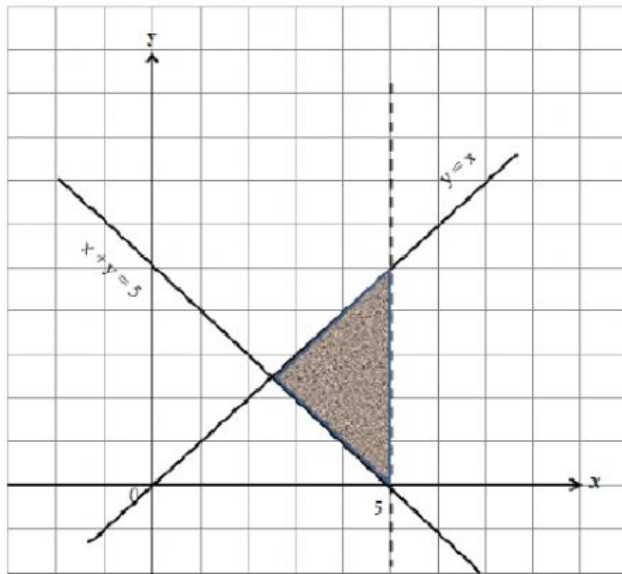
4) $y < ax + c$



- garis putus-putus
 - kawasan dibawah garis

Rajah menunjukkan kawasan berlorek dilukis pada satah Cartes. Pilih tiga ketaksamaan yang mentakrif kawasan tersebut.

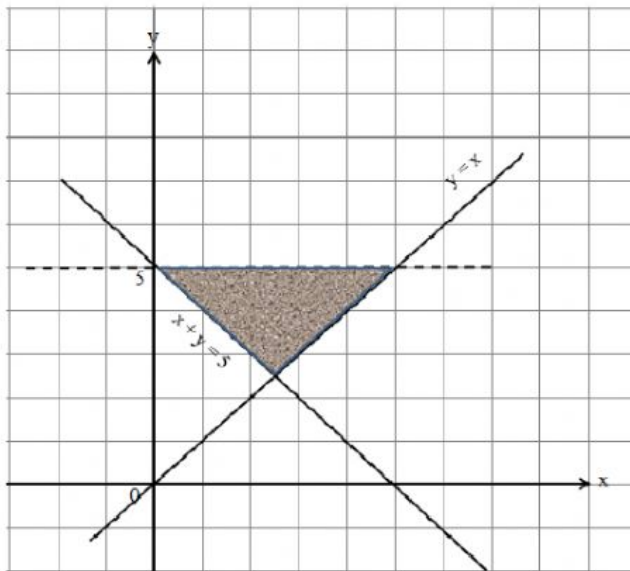
1.



- A. $x + y \geq 5, y \leq x, y < 5$
- B. $x + y > 5, y < x, x < 5$
- C. $x + y \geq 5, y \leq x, x < 5$

Jawapan :

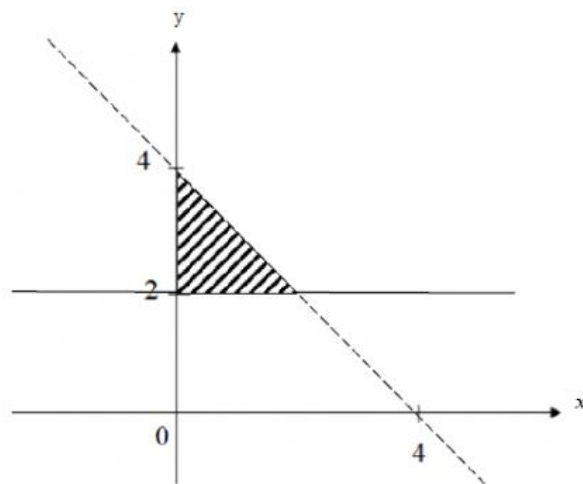
2.



- A. $x + y \geq 5, y \geq x, y < 5$
- B. $x + y > 5, y < x, x < 5$
- C. $x + y \geq 5, y \leq x, x < 5$

Jawapan :

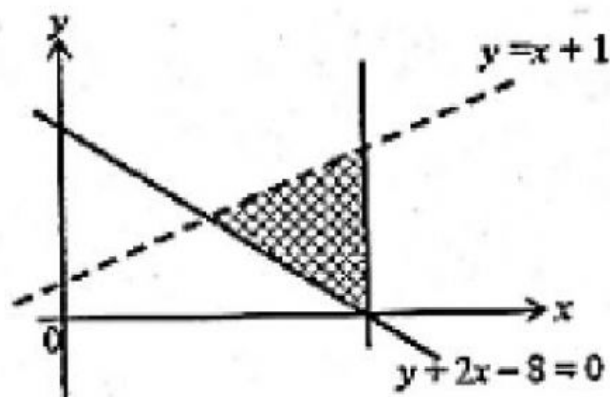
3.



- A. $y > 0, x + y \geq 4, y < 2$
- B. $x \geq 0, x + y < 4, y \geq 2$
- C. $x \geq 0, x + y < 4, x > 2$

Jawapan :

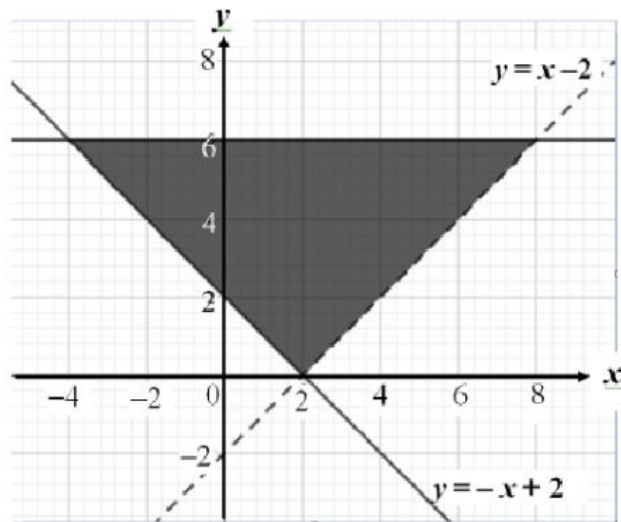
4.



- A. $y < x + 1, y + 2x - 8 \geq 0, x < 2$
- B. $y \leq x + 1, y + 2x - 8 \geq 0, x < 4$
- C. $y < x + 1, y + 2x - 8 \geq 0, x \leq 4$

Jawapan :

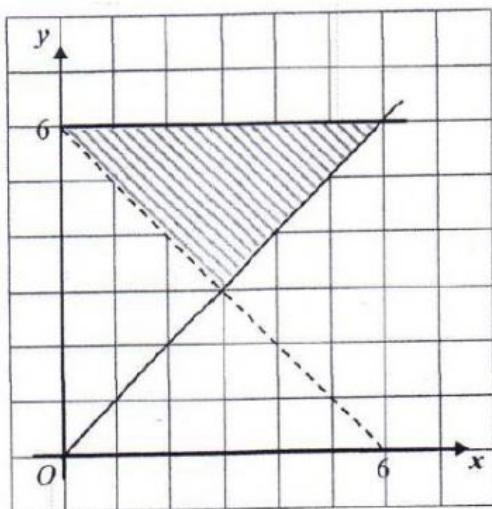
5.



- A. $y > x - 2, y \geq -x + 2, y < 6$
- B. $y > x - 2, y \geq -x + 2, y \leq 6$
- C. $y > x - 2, y < -x + 2, x < 6$

Jawapan :

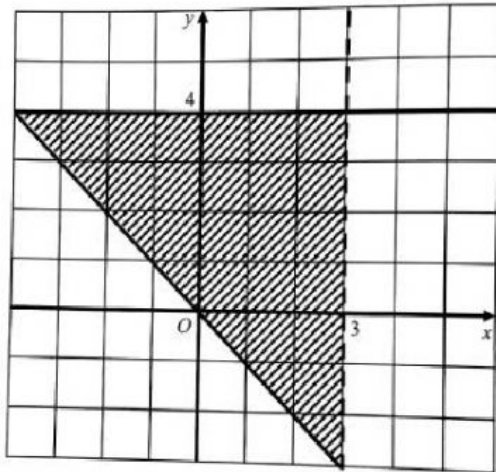
6.



- A. $y + x > 6, y \geq x, y \leq 6$
- B. $y + x < 6, y \leq x, y < 6$
- C. $y + x > 6, y \geq x, x < 6$

Jawapan :

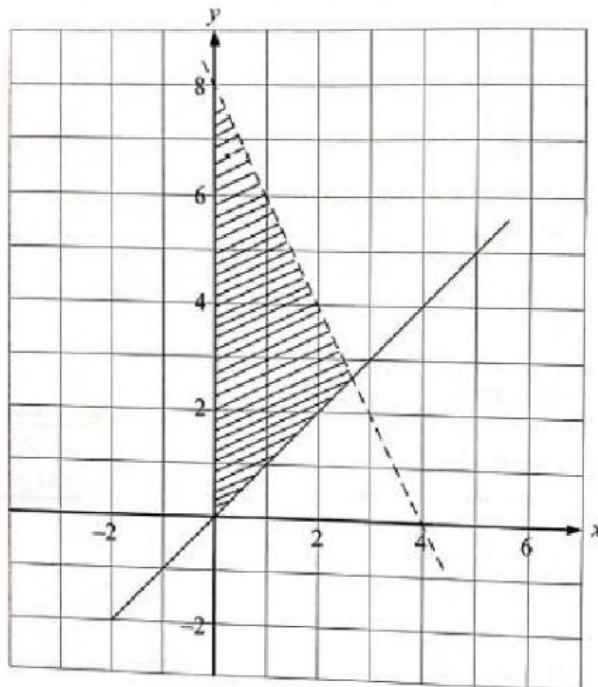
7.



- A. $y \geq x, x \leq 4, y \leq 3$
- B. $y \geq -x, y \leq 4, x < 3$
- C. $y \geq -x, x \leq 4, y \leq 3$

Jawapan :

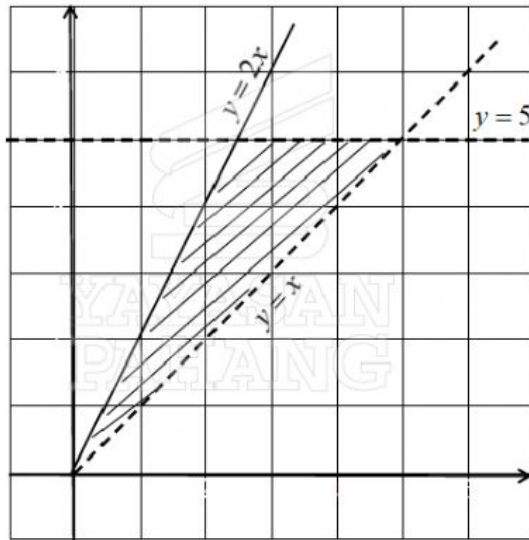
8.



- A. $y \geq x, x \leq 0, y \leq 4x + 8$
- B. $y \geq -x, x \geq 0, y < 8$
- C. $y \geq x, x \geq 0, y \leq -2x + 8$

Jawapan :

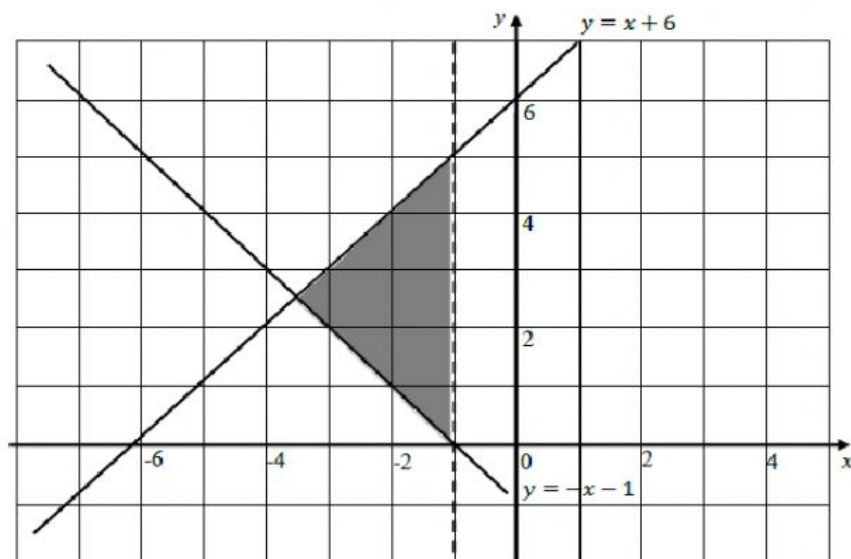
9.



- A. $y < 2x, y \leq x, y \leq 5$
- B. $y \leq 2x, y > x, y < 5$
- C. $y \leq 2x, y \geq x, y \leq 5$

Jawapan :

10.



- A. $y < x + 6, y \leq -x - 1, x \geq -1$
- B. $y \leq x + 6, y > -x - 1, y < -1$
- C. $y \leq x + 6, y \geq -x - 1, x \leq -1$

Jawapan :

