

1. Given the straight line CD passes through the point $(3, 5)$ and is parallel to the straight line $3y = x - 4$.
The equation of CD is
*Diberi garis lurus CD melalui titik $(3, 5)$ dan selari dengan garis lurus $3y = x - 4$.
Persamaan CD ialah*

- ☐ A $3y = x + 12$
☐ B $y = 3x - 6$
☐ C $3y = -x - 18$
☐ D $3y = x - 6$

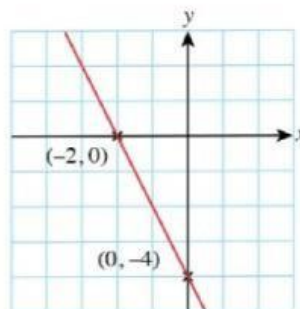
2. State the value of the y -intercept, c in the straight line $2y = -5x + 1$.
Nyatakan nilai pintasan- y , c dalam garis lurus $2y = -5x + 1$.

- ☐ A $\frac{1}{2}$
☐ B $\frac{5}{2}$
☐ C $-\frac{1}{2}$
☐ D $-\frac{5}{2}$

3. Given the straight lines $4y + 2x = 3$ and $y = mx + 4$ are parallel.
Find the value of m .
*Diberi garis lurus $4y + 2x = 3$ dan $y = mx + 4$ adalah selari.
Cari nilai m .*

- ☐ A $\frac{1}{2}$
☐ B $\frac{1}{4}$
☐ C $\frac{1}{2}$
☐ D $\frac{3}{4}$

4.



Which of the following is the equation of the straight line?
Antara berikut, yang manakah ialah persamaan garis lurus itu?

- ☐ A $y = 2x + 4$
☐ B $y = -2x - 4$
☐ C $y = \frac{2}{3}x + 2$
☐ D $y = -\frac{2}{3}x + 2$

5. Find the y-intercept of the straight line with equation $6y + 9x + 36 = 0$.
Cari pintasan-y bagi garis lurus dengan persamaan $6y + 9x + 36 = 0$.



- ☐ A 8
☐ B 6
☐ C - 6
☐ D - 8

6. The gradient of a straight line is $-\frac{2}{3}$ and its y-intercept is 8. Find the x-intercept of the straight line.
Kecerunan bagi suatu garis lurus ialah $-\frac{2}{3}$ dan pintasan-y garis lurus itu ialah 8. Cari pintasan-x bagi garis lurus itu.

- ☐ A -24
☐ B -16
☐ C 12
☐ D 16

7. Which of the following pairs of straight lines are parallel?
Antara pasangan garis lurus berikut, yang manakah adalah selari?

- ☐ A $y = \frac{4}{5}x + 1$
 $y = 0.4x + 2$
☐ B $y = -2x + 1$
 $2y = 4x + 2$
☐ C $3y + 9x = -3$
 $3x - y = 9$
☐ D $\frac{x}{2} + \frac{y}{3} = 5$
 $2y + 3x = 2$

8. Find the value of the gradient, m of the straight line $20 = 4y + x$.
Cari nilai kecerunan, m bagi garis lurus $20 = 4y + x$.

- ☐ A $-\frac{1}{4}$
☐ B $\frac{1}{4}$
☐ C $-\frac{3}{4}$
☐ D $\frac{3}{4}$

9.

Determine the equation of the straight line that has a gradient of $\frac{5}{4}$ and y-intercept of 3.

Tentukan persamaan garis lurus yang mempunyai kecerunan $\frac{5}{4}$ dan pintasan-y 3.

- ☐ A $y = 3x + \frac{5}{4}$
- ☐ B $y = \frac{5}{4}x + 3$
- ☐ C $y = x + 3$
- ☐ D $y = 5x + 3$

10.

Given that point $(-1, 4)$ lies on the straight line $kx + 5y = 5$, find the value of k .

Diberi bahawa titik $(-1, 4)$ terletak pada garis lurus $kx + 5y = 5$, cari nilai k .

- ☐ A 5
- ☐ B 10
- ☐ C 15
- ☐ D 20

11.

State the value of the y-intercept, c in the equation $y = -x + 5$.

Nyatakan nilai pintasan-y, c dalam persamaan $y = -x + 5$.

- ☐ A - 5
- ☐ B 5
- ☐ C - 1
- ☐ D 1

12.

Determine the equation of a straight line which is parallel to x-axis and passing the point $(-1, -4)$.

Tentukan persamaan garis lurus yang selari dengan paksi-x dan melalui titik $(-1, -4)$.

- ☐ A $y = -4$
- ☐ B $y = 4$
- ☐ C $x = -4$
- ☐ D $x = 4$

13.

Which of the following straight lines has the gradient, $m = -\frac{2}{5}$ and y-intercept, $c = -6$?

Antara berikut, garis lurus yang manakah mempunyai kecerunan, $m = -\frac{2}{5}$ dan pintasan-y, $c = -6$?

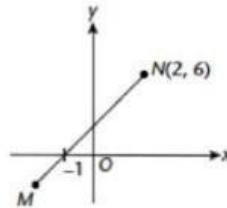
- ☐ A $y = 4$
- ☐ B $y = -2x + 1$
- ☐ C $y = -\frac{2}{5}x - 6$
- ☐ D $y = \frac{1}{2}x - 3$

14. Find the point of intersection of the following pairs of straight lines.
Cari titik persilangan bagi pasangan garis lurus berikut.

$$\begin{aligned}x + y &= 9 \\4x - 7y &= -8\end{aligned}$$

- ☐ A (4, 5)
☐ B (5, 4)
☐ C (-5, 4)
☐ D (-4, 5)

15. In the diagram below, MN is a straight line.
Dalam rajah di bawah, MN ialah garis lurus.



Find the equation of MN.
Cari persamaan bagi MN.

- ☐ A $y = 2x + 2$
☐ B $y = 2x - 2$
☐ C $y = 2x + 6$
☐ D $y = 2x - 6$

16. Find the equation of a straight line with a gradient of $\frac{1}{5}$ that passes through point (5, -2).

Cari persamaan garis lurus yang mempunyai kecerunan $\frac{1}{5}$ dan melalui titik (5, -2).

- ☐ A $5y = 5x - 15$
☐ B $y = \frac{1}{5}x + \frac{27}{5}$
☐ C $y = \frac{1}{5}x - 3$
☐ D $y = \frac{1}{5}x + 1$

17. State the value of the gradient, m in the straight line $20 = 4y + x$.
Nyatakan nilai kecerunan, m dalam garis lurus $20 = 4y + x$.

- ☐ A $\frac{1}{4}$
☐ B $-\frac{1}{4}$
☐ C 5
☐ D -5

18. Find the y-intercept of the straight line $3x - 4y = 16$.
Cari pintasan-y bagi garis lurus $3x - 4y = 16$.

- ☐ A -3
☐ B -4
☐ C 3
☐ D 4

19. Find the equation of the straight line joining the points $A(-1, 2)$ and $B(2, 8)$.
Cari persamaan garis lurus yang menyambungkan titik $A(-1, 2)$ dan $B(2, 8)$.

- ☐ A $y = 2x - 4$
☐ B $y = 2x + 4$
☐ C $y = 6x - 4$
☐ D $y = 6x + 4$

20. Given the straight lines $4y + 8x = -3$ and $3y = kx + 3$ are parallel to each other.
Find the value of k .
Diberi garis lurus $4y + 8x = -3$ dan $3y = kx + 3$ adalah selari antara satu sama lain.
Cari nilai k .

- ☐ A -6
☐ B -3
☐ C -2
☐ D 3