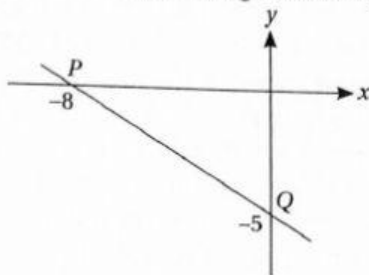


BAHAGIAN A

- 1 Antara titik berikut, yang manakah terletak pada garis $7x + 5y = 2$?
Which of the following points lie on the line $7x + 5y = 2$?

- A $(\frac{2}{7}, 0)$ C $(-2, 0)$
B $(0, -3)$ D $(-7, 1)$

- 2 Rajah 1 menunjukkan suatu garis lurus PQ.
Diagram 1 shows a straight line PQ.

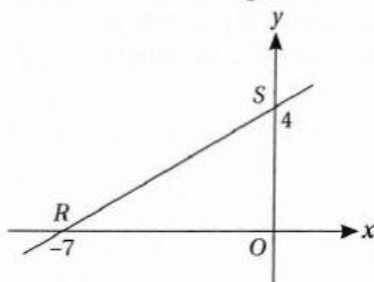


Rajah 1/ Diagram 1

Nyatakan kecerunan garis lurus PQ.
State the gradient of the straight line PQ.

- A $\frac{5}{8}$ C $-\frac{5}{8}$
B $\frac{8}{5}$ D $-\frac{8}{5}$

- 3 Rajah 2 menunjukkan suatu garis lurus RS.
Diagram 2 shows a straight line RS.



Rajah 2/ Diagram 2

Cari persamaan garis lurus tersebut.
Find the equation of the straight line.

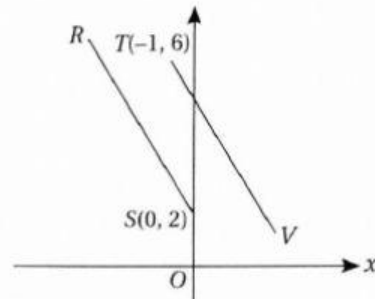
- A $4y = 7x - 28$ C $7y = 4x + 28$
B $4x + 7y = 28$ D $7x + 4y = 28$

- 4 Diberi bahawa $P(6, 1)$, $Q(-2, 15)$ dan $R(4, 10)$ ialah tiga titik pada suatu satah Cartes. PQ ialah suatu garis lurus. N ialah titik tengah PQ. Cari kecerunan NR.

Given that $P(6, 1)$, $Q(-2, 15)$ and $R(4, 10)$ are three points on a Cartesian plane. PQ is a straight line. N is the midpoint PQ. Find the gradient of NR.

- A 1 C $-\frac{9}{2}$
B $\frac{1}{2}$ D $-\frac{7}{4}$

- 5 Rajah 3 menunjukkan dua garis selari RS dan TV.
Diagram 3 shows two parallel lines RS and TV.



Rajah 3/ Diagram 3

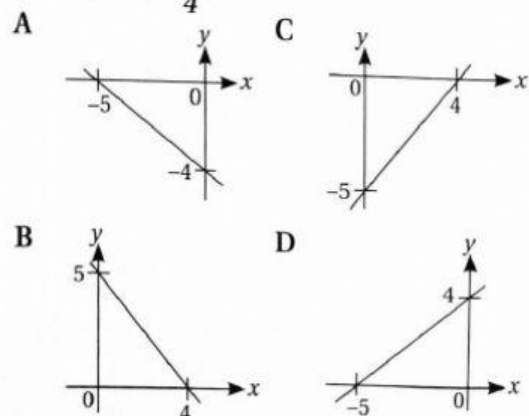
Persamaan garis lurus TV ialah $y = -3x + 3$.
Cari persamaan garis lurus RS.

The equation of the straight line TV is $y = -3x + 3$. Find the equation of the straight line RS.

- A $y = -x + 9$
B $y = -x + 2$
C $y = -3x + 2$
D $y = -2x + 2$

- 6 Graf manakah yang menunjukkan garis lurus dengan kecerunan $-\frac{5}{4}$?

Which graph shows a straight line with a gradient of $-\frac{5}{4}$?



BAHAGIAN B

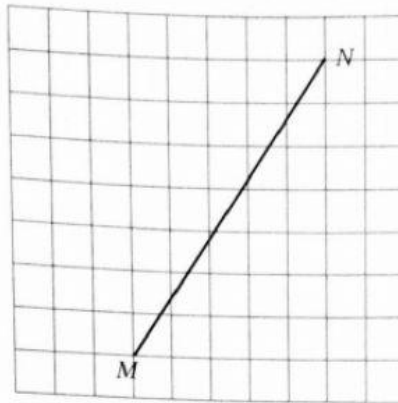
- 7 (a) Bulatkan jawapan yang betul.
Circle the correct answer.

Garis lurus dengan kecerunan yang sama adalah (selari / berserenjang).
Straight lines with the same gradient are (parallel / perpendicular).

[1 markah/mark]

- (b) Rajah 4 menunjukkan suatu garis lurus MN yang dilukis di atas grid segi empat sama bersisi 1 unit.

Diagram 4 shows a straight line MN drawn on a square grid with sides of 1 unit.



Rajah 4/Diagram 4

Tentukan jarak mencancang dan jarak mengufuk bagi garis MN di Rajah 4. Seterusnya, cari kecerunan dan rumusnya.

Determine the vertical distance and the horizontal distance of the line MN in Diagram 4. Hence, find the gradient and its formula.

[3 markah/marks]

Jawapan/Answer:

- (i) Jarak mencancang/Vertical distance =
- (ii) Jarak mengufuk/Horizontal distance =
- (iii) Kecerunan/Gradient =

- 8 (a) Tandakan (✓) pada graf yang mempunyai garis selari dan (X) pada graf yang tidak mempunyai garis selari.

Mark (✓) for the graph with parallel lines and (X) for the graph without parallel lines.

[2 markah/marks]

Jawapan/Answer:

