

Kecerunan Garis Lurus

Gradient of a Straight Line

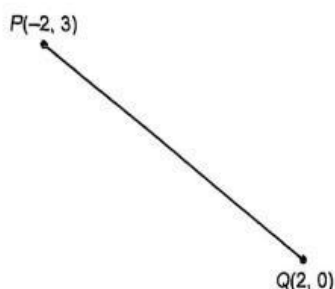
Skor

27

Bahagian A

1. Rajah di bawah menunjukkan garis lurus PQ.

The diagram below shows the straight line PQ.



Cari kecerunan bagi garis lurus PQ.

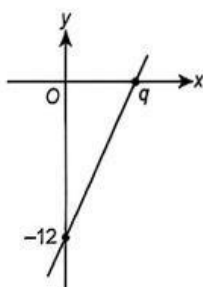
Find the gradient of the straight line PQ.

SK 10.1 TP3

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

2. Rajah di bawah menunjukkan suatu garis lurus.

The diagram below shows a straight line.



Diberi kecerunan bagi garis lurus ialah 4.

Tentukan nilai q. SK 10.1 TP3

Given the gradient of the straight line is 4. Determine the value of q.

- | | |
|-----|-----|
| A 3 | C 5 |
| B 4 | D 6 |

3. Hitung kecerunan garis lurus yang mempunyai pintasan-x = -2 dan pintasan-y = 10. SK 10.1 TP3

Find the gradient of the straight line that has x-intercept = -2 and y-intercept = 10.

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

4. Diberi pintasan-x dan kecerunan bagi suatu garis lurus masing-masing ialah 20 dan -4. Cari pintasan-y bagi garis lurus itu. SK 10.1 TP3

Given the x-intercept and the gradient of a straight line are 20 and -4 respectively. Find the y-intercept of the straight line.

- | | |
|------|-------|
| A 80 | C -5 |
| B 5 | D -80 |

5. Cari nilai p jika garis lurus yang menyambungkan titik A(2, p + 1) dan B(p + 1, 3p + 1) mempunyai kecerunan 4. SK 10.1 TP4 KBAT Mengaplikasi

Find the value of p if the straight line joining the points A(2, p + 1) and B(p + 1, 3p + 1) has a gradient of 4.

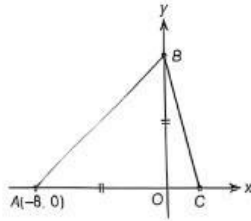
- | | |
|------|-----|
| A -3 | C 2 |
| B -2 | D 3 |

6. Diberi suatu garis lurus melalui titik A(-3, -16), B(-1, q - 1) dan C(1, -4). Cari nilai q. SK 10.1 TP4 KBAT Mengaplikasi

Given a straight line passes through the points A(-3, -16), B(-1, q - 1) and C(1, -4). Find the value of q.

- | | |
|-----|------|
| A 9 | C -3 |
| B 3 | D -9 |

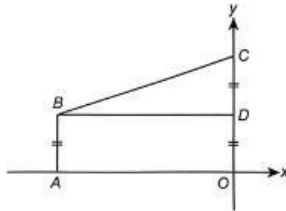
7. Dalam rajah di bawah, AB dan BC ialah garis lurus.
In the diagram below, AB and BC are straight lines.



Diberi kecerunan bagi garis lurus BC ialah -4 . Cari pintasan- x bagi garis lurus BC .
Given the gradient of the straight line BC is -4 . Find the x -intercept of the straight line BC .

- A 1 C 3
B 2 D 4

8. Dalam rajah di bawah, $OA = 3OD$ dan $DC = 3$ unit.
In the diagram below, $OA = 3OD$ and $DC = 3$ units.



Cari kecerunan bagi garis lurus BC .
Find the gradient of the straight line BC .

SK 10.1 TP 4 KBAT Menganalisis

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

9. Suatu garis lurus melalui titik $(5, -4)$ dan $(3p + 1, q + 1)$. Cari nilai p jika garis lurus itu adalah selari dengan paksi- y .
A straight line passes through the points $(5, -4)$ and $(3p + 1, q + 1)$. Find the value of p if the straight line is parallel to the y -axis.

SK 10.1 TP 4 KBAT Menganalisis

- A -5 C $\frac{4}{3}$
B $\frac{3}{4}$ D 5