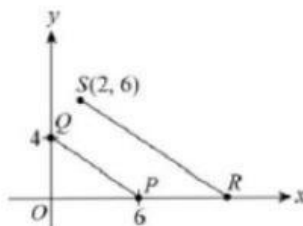


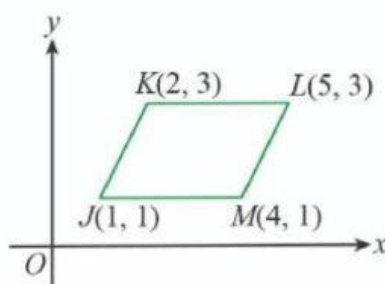
1. In the diagram below, the straight line PQ is parallel to the straight line RS .
Dalam rajah di bawah, garis lurus PQ adalah selari dengan garis lurus RS .



Find the coordinates of point R .
Cari koordinat titik R .

- ☐ A (0, 9)
☐ B (0, 11)
☐ C (9, 0)
☐ D (11, 0)

2. The diagram shows a parallelogram $KLMJ$ drawn on a Cartesian plane.
Rajah di bawah menunjukkan sebuah segi empat selari $KLMJ$ yang dilukis pada satah Cartes.



The gradients of the straight lines, JK , KL , LM and JM , are as follows:
Kecerunan garis lurus JK , KL , LM dan JM adalah seperti berikut:

Gradient of $JK = p$
Kecerunan $JK = p$

Gradient of $KL = q$
Kecerunan $KL = q$

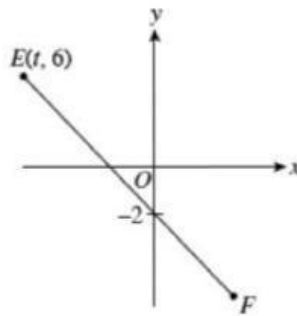
Gradient of $LM = r$
Kecerunan $LM = r$

Gradient of $JM = s$
Kecerunan $JM = s$

Which of the following is **not** true?
Antara berikut, yang manakah **tidak** benar?

- ☐ A $p = q$
☐ B $p = r$
☐ C $q = s$
☐ D $p > q$

3. In the diagram below, EF is a straight line on a Cartesian plane.
Dalam rajah di bawah, EF ialah garis lurus pada satah Cartes.



The gradient of EF is $-\frac{4}{3}$.

Find the value of t .

Kecerunan EF ialah $-\frac{4}{3}$.

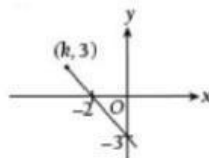
Cari nilai t .

- ☐ A -6
☐ B $-\frac{8}{3}$
☐ C 3
☐ D 6

4. The coordinates of point P are $(-2, 3)$ and the gradient of the straight line PQ is 3.
The coordinates of point Q could be
Koordinat titik P ialah $(-2, 3)$ dan kecerunan garis lurus PQ ialah 3.
Koordinat titik Q yang mungkin ialah

- ☐ A $(-3, 6)$
☐ B $(-1, 6)$
☐ C $(1, 6)$
☐ D $(2, 7)$

5. The diagram below shows a straight line.
Rajah di bawah menunjukkan satu garis lurus.



Find the value of k .

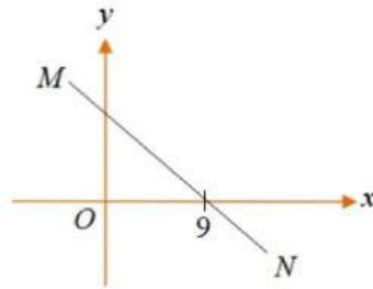
Cari nilai k .

- ☐ A -4
☐ B -2
☐ C 2
☐ D 4

6.

In the diagram, the gradient of the straight line MN is $-\frac{1}{3}$.

Dalam rajah di bawah, kecerunan garis lurus MN ialah $-\frac{1}{3}$.



Find the y-intercept of the straight line MN .

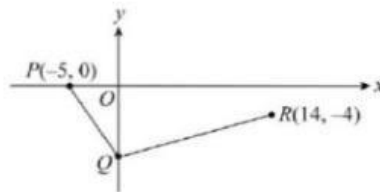
Cari pintasan-y bagi garis lurus MN .

- ☐ A 6
☐ B 3
☐ C 2
☐ D 1

7.

In the diagram below, the straight line QR has a gradient of $\frac{4}{7}$.

Dalam rajah di bawah, garis lurus QR mempunyai kecerunan $\frac{4}{7}$.



Calculate the distance, in units, of PQ .

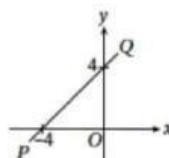
Hitung jarak, dalam unit, bagi PQ .

- ☐ A 12
☐ B 13
☐ C 14
☐ D 15

8.

In the diagram below, PQ is a straight line drawn on a Cartesian plane.

Dalam rajah di bawah, PQ ialah garis lurus yang dilukis pada satah Cartes.

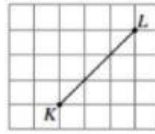


Find the gradient of the straight line PQ .

Cari kecerunan garis lurus PQ .

- ☐ A -2
☐ B -1
☐ C 1
☐ D 2

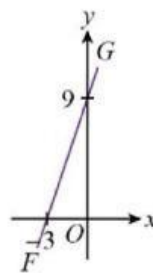
9. The diagram below shows the points K and L drawn on a grid of squares.
Rajah di bawah menunjukkan titik K dan titik L dilukis pada grid segi empat sama.



Find the gradient of the straight line which joins K and L .
Cari kecerunan garis lurus yang menyambungkan K dan L .

- ☐ A 1
☐ B 1.5
☐ C 2
☐ D 2.5

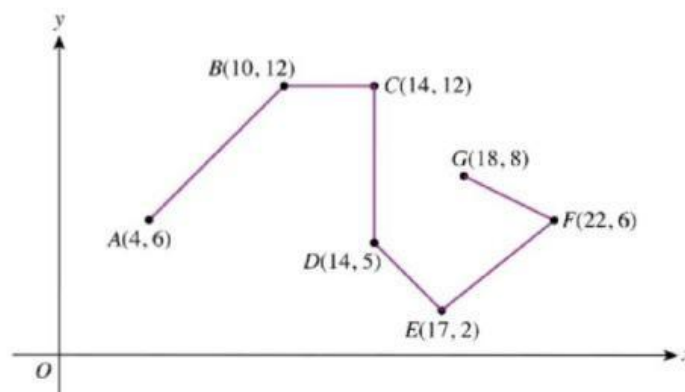
10. In the diagram, FG is a straight line.
Dalam rajah di bawah, FG ialah garis lurus.



What is the gradient of FG ?
Apakah kecerunan FG ?

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

11.



Find the gradient of the straight line FG .
Cari kecerunan garis lurus FG .

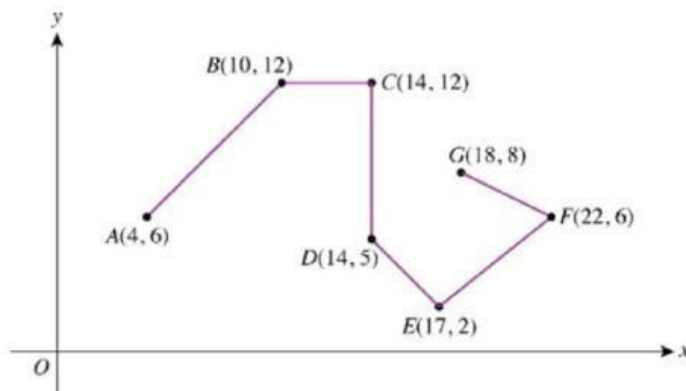
- ☐ A 0
☐ B $-\frac{4}{5}$
☐ C $-\frac{1}{2}$
☐ D Undefined
Tidak tertakrif

12. The gradient of a straight line PQ is $\frac{2}{3}$ and the coordinates of point P are $(6, 0)$. The y-intercept of the straight line PQ is

Kecerunan bagi garis lurus PQ ialah $\frac{2}{3}$ dan koordinat titik P ialah $(6, 0)$. Pintasan-y bagi garis lurus PQ ialah

- ☐ A -6
☐ B -4
☐ C -3
☐ D -2

- 13.



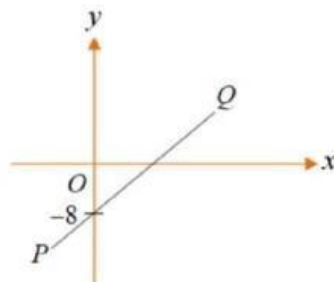
Find the gradient of the straight line DE .
Cari kecerunan garis lurus DE .

- ☐ A 0
☐ B 0.5
☐ C -1
☐ D Undefined
Tidak tertakrif

14. The gradient of a straight line which passes through the point $(3, -5)$ and the point $(3, 12)$ is
Kecerunan garis lurus yang melalui titik $(3, -5)$ dan titik $(3, 12)$ ialah

- ☐ A 0
☐ B 1
☐ C -1
☐ D undefined
tidak tertakrif

15. In the diagram, the gradient of the straight line PQ is 2.
Dalam rajah di bawah, kecerunan garis lurus PQ ialah 2.



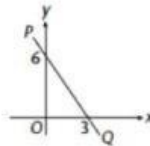
Find the x-intercept of the straight line PQ .
Cari pintasan-x bagi garis lurus PQ .

- ☐ A -2
☐ B -4
☐ C 2
☐ D 4

16. Find the gradient of a straight line which passes through the origin (0, 0) and the point (4, -2).
Cari kecerunan garis lurus yang melalui asalan (0, 0) dan titik (4, -2).

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

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



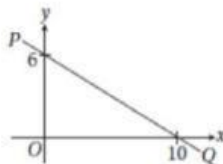
What is the gradient of PQ?
Apakah kecerunan PQ?

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

18. The gradient of a straight line which passes through the point (1, 4) and the point (7, 4) is
Kecerunan garis lurus yang melalui titik (1, 4) dan titik (7, 4) ialah

- ☐ A 0
☐ B 1
☐ C -1
☐ D undefined
tidak tertakrif

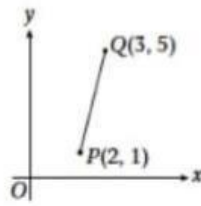
19. In the diagram, PQ is a straight line on a Cartesian plane.
Dalam rajah di bawah, PQ ialah garis lurus pada satah Cartes.



The gradient of PQ is
Kecerunan PQ ialah

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

20. The diagram below shows two points, P and Q , on a Cartesian plane.
Rajah di bawah menunjukkan dua titik, P dan Q , pada satah Cartes.



Find the gradient of the straight line PQ .
Cari kecerunan garis lurus PQ .

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