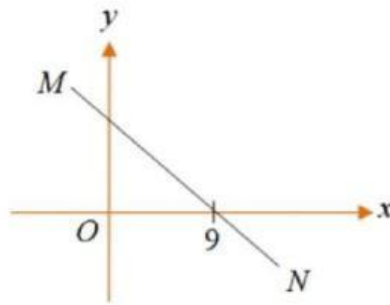


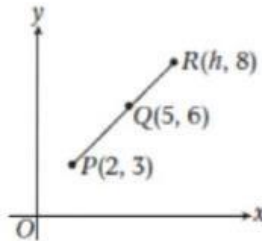
1. In the diagram, the gradient of the straight line MN is -2 .
Dalam rajah di bawah, kecerunan garis lurus MN ialah -2 .



Find the y-intercept of the straight line MN .
Cari pintasan-y bagi garis lurus MN .

- ☐ A 18
☐ B 16
☐ C 8
☐ D 4

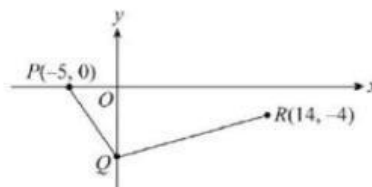
2. The diagram below shows a straight line PQR on a Cartesian plane.
Rajah di bawah menunjukkan garis lurus PQR pada suatu satah Cartes.



The value of h is
Nilai h ialah

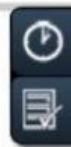
- ☐ A 1
☐ B 3
☐ C 5
☐ D 7

3. In the diagram below, the straight line QR has a gradient of $\frac{4}{7}$.
Dalam rajah di bawah, garis lurus QR mempunyai kecerunan $\frac{4}{7}$.

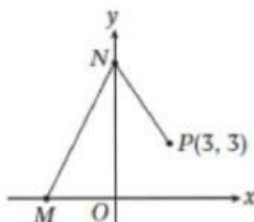


Calculate the distance, in units, of PQ .
Hitung jarak, dalam unit, bagi PQ .

- ☐ A 12
☐ B 13
☐ C 14
☐ D 15



4. The diagram below shows two straight lines, MN and NP , on a Cartesian plane.
Rajah di bawah menunjukkan dua garis lurus, MN dan NP , pada suatu satah Cartes.



The gradient of NP is -3 and the distance of MN is 13 units.

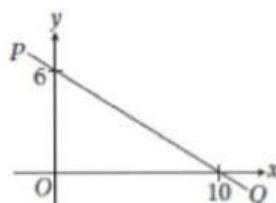
Find the x-intercept of MN .

Kecerunan NP ialah -3 dan jarak MN ialah 13 unit.

Cari pintasan-x bagi MN .

- ☐ A -12
- ☐ B -5
- ☐ C $-\frac{13}{5}$
- ☐ D $-\frac{12}{5}$

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

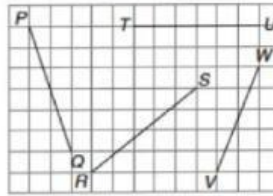


The gradient of PQ is

Kecerunan PQ ialah

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

6. The diagram below shows four straight lines drawn on a grid of equal squares.
Rajah di bawah menunjukkan empat garis lurus yang dilukis pada grid segi empat sam

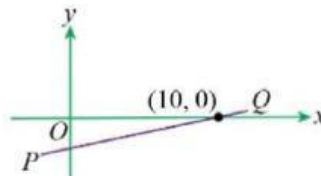


Which of the following statements is **not** true?
Antara pernyataan berikut, yang manakah **tidak** benar?

- ☐ A The gradient of the straight line PQ is negative.
Kecerunan garis lurus PQ adalah negatif.
- ☐ B The gradient of the straight line RS is greater than the gradient of the straight line VW.
Kecerunan garis lurus RS adalah lebih besar daripada kecerunan garis lurus VW.
- ☐ C The gradient of the straight line TU is zero.
Kecerunan garis lurus TU ialah sifar.
- ☐ D The gradient of the straight line VW is positive.
Kecerunan garis lurus VW adalah positif.

7. In the diagram, PQ is a straight line with gradient $\frac{1}{5}$.

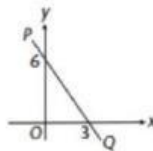
Dalam rajah di bawah, PQ ialah garis lurus dengan kecerunan $\frac{1}{5}$.



Find the y-intercept of PQ.
Cari pintasan-y bagi PQ.

- ☐ A -4
- ☐ B -3
- ☐ C -2
- ☐ D -1

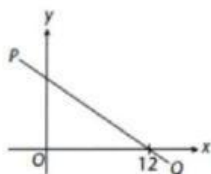
8. In the diagram below, PQ is a straight line.
Dalam rajah di bawah, PQ ialah garis lurus.



What is the gradient of PQ?
Apakah kecerunan PQ?

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

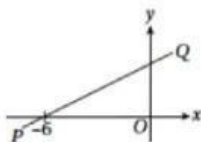
9. In the diagram below, the gradient of the straight line PQ is $-\frac{1}{2}$.
Dalam rajah di bawah, kecerunan bagi garis lurus PQ ialah $-\frac{1}{2}$.



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

- ☐ A 3
☐ B 6
☐ C 12
☐ D 24

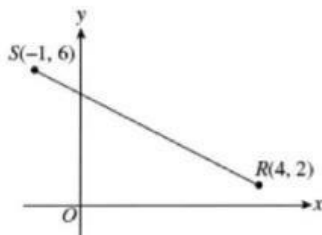
10. In the diagram below, the gradient of the straight line PQ is $\frac{1}{2}$.
Dalam rajah di bawah, kecerunan garis lurus PQ ialah $\frac{1}{2}$.



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

- ☐ A -3
☐ B -2
☐ C 2
☐ D 3

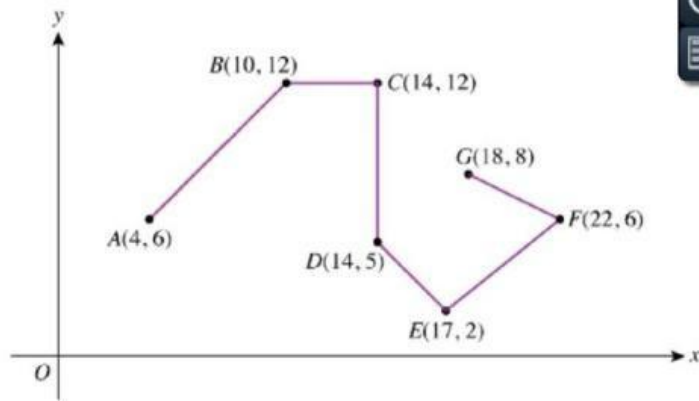
11. The diagram shows a straight line RS in a Cartesian plane.
Rajah di bawah menunjukkan garis lurus RS pada satah Cartes.



Find the gradient of RS .
Cari kecerunan RS .

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

12.



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

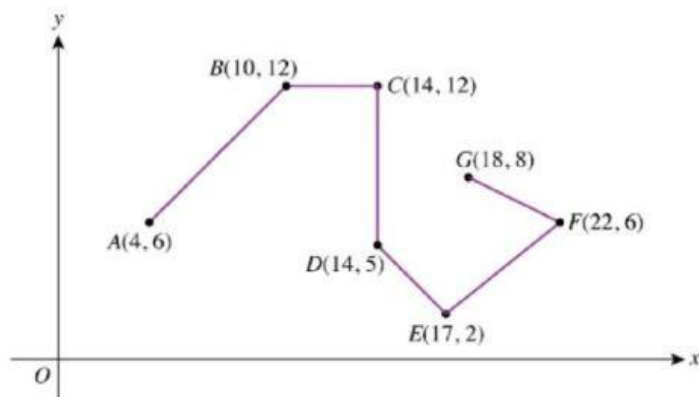
- ☐ A 0
☐ B 0.5
☐ C -1
☐ D Undefined
 Tidak tertakrif

13. Which diagram has a straight line PQ with a gradient of $\frac{3}{4}$?

Rajah manakah mempunyai garis lurus PQ dengan kecerunan $\frac{3}{4}$?

- ☐ A
☐ B
☐ C
☐ D

14.



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

- ☐ A 1
☐ B 1.5
☐ C 2
☐ D Undefined
 Tidak tertakrif

15. It is given that three points, $K(2, -5)$, $L(6, 3)$ and $N(-2, 4)$, lie on a Cartesian plane. M is the midpoint of the straight line KL . Find the gradient of the straight line MN .
Diberi bahawa tiga titik, $K(2, -5)$, $L(6, 3)$ dan $N(-2, 4)$, terletak pada satah Cartes. M ialah titik tengah garis lurus KL . Cari kecerunan bagi garis lurus MN .

- ☐ A $-\frac{6}{5}$
- ☐ B $-\frac{5}{6}$
- ☐ C $\frac{5}{6}$
- ☐ D $\frac{6}{5}$

16. The straight line that passes through points $P(2, 10)$ and Q has a negative gradient value. Which of the following are the possible coordinates of point Q ?
Garis lurus yang melalui titik $P(2, 10)$ dan Q mempunyai nilai kecerunan negatif. Antara berikut, yang manakah koordinat titik Q yang mungkin?

- ☐ A $(-4, -15)$
- ☐ B $(1, 8)$
- ☐ C $(5, -8)$
- ☐ D $(8, 15)$

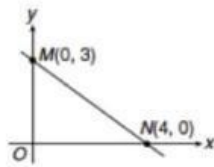
17. The gradient of a straight line that passes through the points $(-3, 2)$ and $(-4, k)$ is -2 . Find the value of k .
Kecerunan garis lurus yang melalui titik $(-3, 2)$ dan $(-4, k)$ ialah -2 . Cari nilai k .

- ☐ A 2
- ☐ B 4
- ☐ C 6
- ☐ D 8

18. 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 $(2, 7)$

19.



Find the gradient of straight line MN in the above diagram.
Cari kecerunan garis lurus MN dalam rajah di atas.

- ☐ A $-\frac{4}{3}$
- ☐ B $-\frac{4}{7}$
- ☐ C $-\frac{3}{7}$
- ☐ D $-\frac{3}{4}$

20. 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