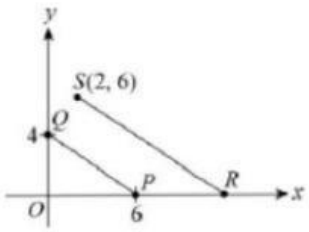
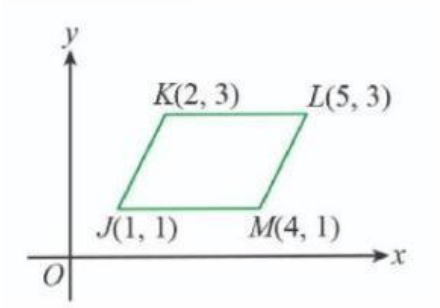
1. In the diagram below, the straight line *PQ* is parallel to the straight line *RS*.
Dalam rajah di bawah, garis lurus PQ adalah selari dengan garis lurus RS.



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 $KL = q$

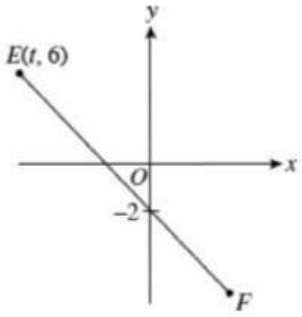
Gradient of $LM = r$
Kecerunan $LM = r$

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.



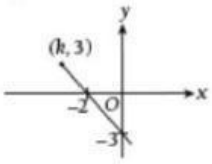
The gradient of *EF* is $-\frac{4}{3}$.
Find the value of *t*.
Kecerunan EF ialah $-\frac{4}{3}$.
Cari nilai t.

- 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.

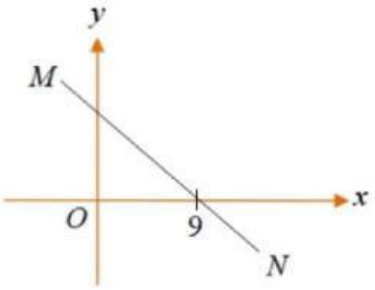


Find the value of k.
Cari nilai k.

- 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 $-\frac{1}{3}$.

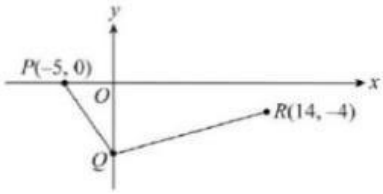


Find the y-intercept of the straight line MN.
Cari pintasan-y bagi garis lurus MN.

- A 6
- B 3
- C 2
- D 1

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

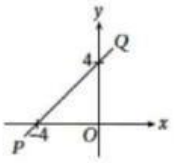
Dalam rajah di bawah, garis lurus QR mempunyai kecerunan $\frac{4}{7}$.



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

- A 12
- B 13
- C 14
- D 15

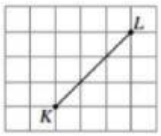
8. In the diagram below, PQ is a straight line drawn on a Cartesian plane.
Dalam rajah di bawah, PQ ialah garis lurus yang dilukis pada satah Cartes.



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

- A −2
- B −1
- C 1
- D 2

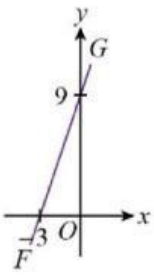
9. The diagram below shows the points K and L drawn on a grid of squares.
Rajah di bawah menunjukkan titik K dan titik L dilukis pada grid segi empat sama.



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

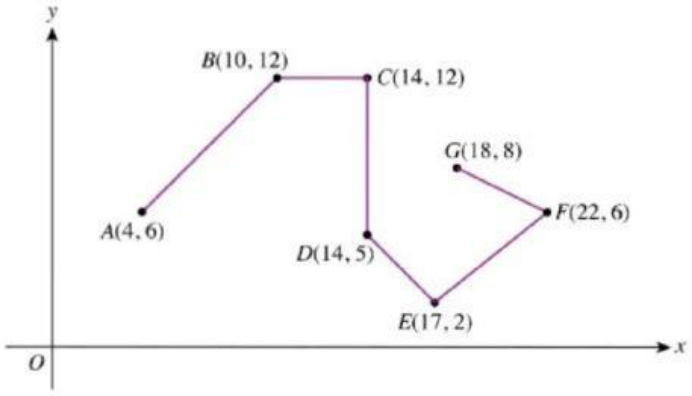
10. In the diagram, *FG* is a straight line.
Dalam rajah di bawah, FG ialah garis lurus.



What is the gradient of *FG*?
Apakah kecerunan FG?

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

11.



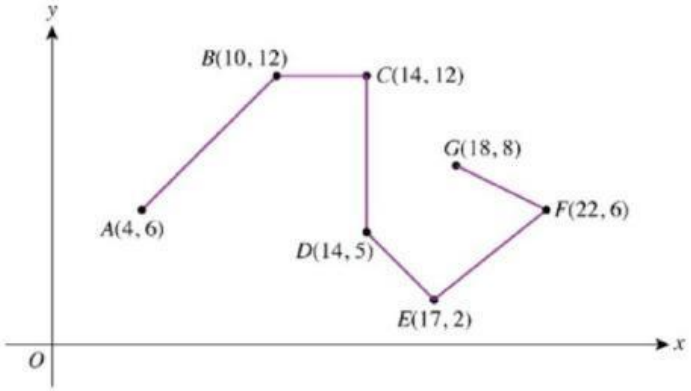
Find the gradient of the straight line *FG*.
Cari kecerunan garis lurus FG.

- 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.



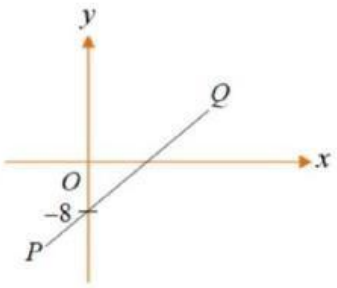
Find the gradient of the straight line DE.
Cari kecerunan garis lurus DE.

- 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.



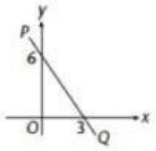
Find the x-intercept of the straight line PQ.
Cari pintasan-x bagi garis lurus PQ.

- 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 poi -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.



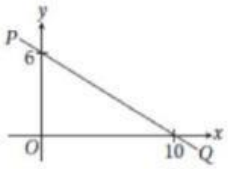
What is the gradient of *PQ*?
Apakah kecerunan PQ?

- 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

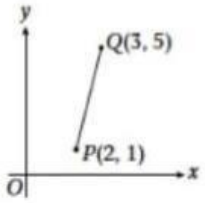
19. In the diagram, *PQ* is a straight line on a Cartesian plane.
Dalam rajah di bawah, PQ ialah garis lurus pada satah Cartes.



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