

Kecerunan Garis Lurus

Gradient of a Straight Line

BAHAGIAN A

1. Diberi pintasan-x dan pintasan-y bagi satu garis lurus masing-masing ialah 3 dan 6. Cari kecerunan garis lurus itu.

Given the x-intercept and y-intercept of a straight line are 3 and 6 respectively. Find the gradient of the straight line.

- A -2 B -3
C 3 D 2

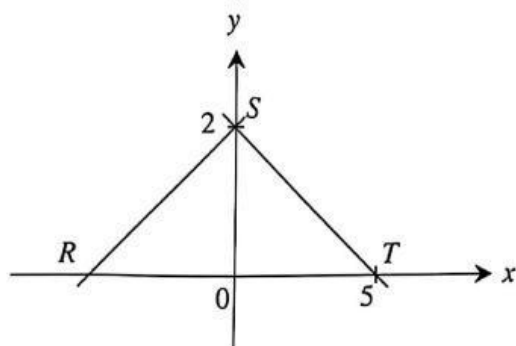
2. Kecerunan suatu garis lurus yang melalui titik $A(-4, 4)$ dan titik $B(p, -3)$ adalah tidak tertakrif. Cari nilai p .

The gradient of a straight line that passes through the points $A(-4, 4)$ and $B(p, -3)$ is undefined. Find the value of p .

- A -4 B -2
C -1 D 4

3. Rajah di bawah menunjukkan dua garis lurus RS dan ST pada satah Cartes.

The diagram shows two straight lines, RS and ST on a Cartesian plane.



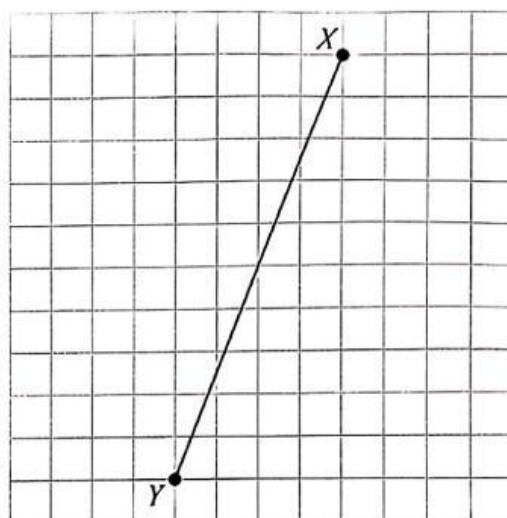
Diberi $RS = ST$, cari kecerunan bagi garis lurus RS.

Given $RS = ST$, find the gradient of the straight line RS.

- A $-\frac{2}{5}$ B $-\frac{5}{2}$
C $\frac{2}{5}$ D $\frac{5}{2}$

4. Rajah di bawah dilukis pada grid segi empat sama bersisi 1 unit.

The diagram is drawn on a grid of squares with sides of 1 unit.



Nyatakan jarak mencancang di antara titik X dan titik Y.

State the vertical distance between point X and point Y.

- A 3 unit B 4 unit
3 units 4 units
C 9 unit D 10 unit
9 units 10 units

5. Suatu garis lurus yang melalui titik $K(h, 0)$ dan titik $L(0, -9)$ mempunyai kecerunan -3 . Cari nilai h .

A straight line that passes through points $K(h, 0)$ and $L(0, -9)$ has a gradient of -3 . Find the value of h .

- A 3
B -3
C -6
D 7