GERAK GEMPUR 10

Kecerunan Garis Lurus
Gradient of a Straight Line

BAHAGIAN A

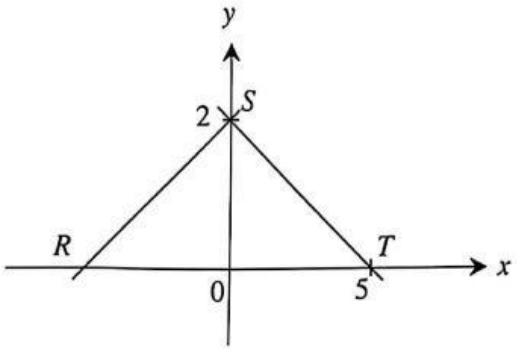
1. Diberi pintasan-x dan pintasan-y bagi satu garis lurus masing-masing ialah 3 dan 6. Cari kecerunan garis lurus itu.
Given the x-intercept and y-intercept of a straight line are 3 and 6 respectively. Find the gradient of the straight line.

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

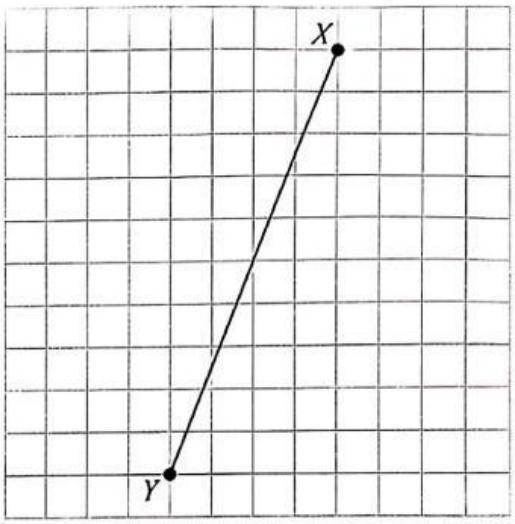
3. Rajah di bawah menunjukkan dua garis lurus RS dan ST pada satah Cartes.
The diagram shows two straight lines, RS and ST on a Cartesian plane.



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 / *3 units* **B** 4 unit / *4 units*
C 9 unit / *9 units* **D** 10 unit / *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