

# 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

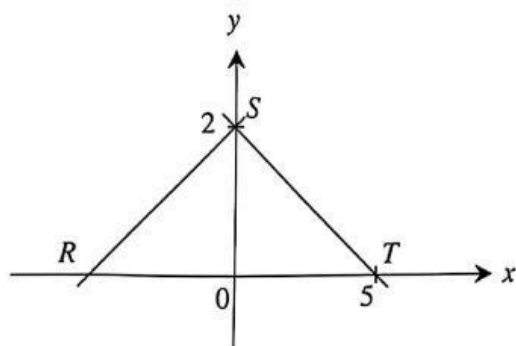
2. Kecerunan suatu garis lurus yang melalui titik  $A(-4, 4)$  dan titik  $B(p, -3)$  adalah tidak tertakrif. Cari nilai  $p$ .

*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.*



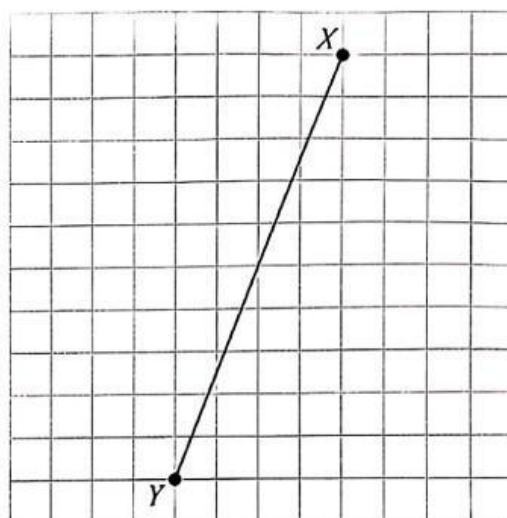
Diberi  $RS = ST$ , cari kecerunan bagi garis lurus RS.

*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