

Persamaan Linear

Linear Equations

Skor

30

Bahagian A

1. Antara berikut, yang manakah **bukan** persamaan linear dalam satu pemboleh ubah? **SK 6.1 TP1**

Which of the following is **not** a linear equation in one variable?

- A $p - 2 = 0$ C $r + 4 = 2 - r$
B $q + 5 = 2q$ D $4s - 2 = t$

2. Selesaikan persamaan $y - 2 = 3y$.

Solve the equation $y - 2 = 3y$. **SK 6.1 TP3**

- A -2 C 1
B -1 D 2

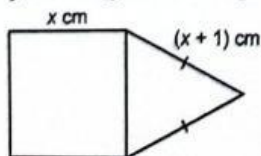
3. Hitung nilai x yang memuaskan persamaan $3(x - 1) = 12$. **SK 6.1 TP3**

Calculate the value of x that satisfies the equation $3(x - 1) = 12$.

- A 3 C 5
B 4 D 6

4. Rajah di bawah menunjukkan sebuah bentuk gabungan yang terdiri daripada sebuah segi tiga dan sebuah segi empat sama. **SK 6.1 TP4**

The diagram below shows a composite shape consisting of a triangle and a square.



Diberi perimeter segi tiga itu ialah 20 cm. Bentuk satu persamaan linear berdasarkan rajah itu.

Given the perimeter of the triangle is 20 cm. Form a linear equation based on the diagram.

- A $x + (x + 1) = 20$
B $x + 2(x + 1) = 20$
C $3x + (x + 1) = 20$
D $3x + 2(x + 1) = 20$

5. Diberi $a + b = 0$ dan $a - b = 10$, cari nilai a .
Given that $a + b = 0$ and $a - b = 10$, find the value of a . **SK 6.3 TP3**

- A 10 C -5
B 5 D -10

6. Diberi $3g + 2h = 1$ dan $3g - 4h = -29$, maka $g =$ **SK 6.3 TP3**

Given that $3g + 2h = 1$ and $3g - 4h = -29$, then $g =$

- A 5 C -1
B 2 D -3

7. $2x + 3y = 4$
 $x - 4y = -9$

Maklumat di atas menunjukkan dua persamaan linear yang diselesaikan secara serentak. Dengan menghapuskan x , yang manakah akan kita peroleh?

The above information shows the linear equations to be solved simultaneously. By eliminating x , which of the following can we get? **SK 6.3 TP3**

- A $11y = 22$ C $-5y = 22$
B $5y = 22$ D $-11y = 22$

8. Antara pasangan persamaan berikut, yang manakah terdiri daripada persamaan linear serentak dalam dua pemboleh ubah? **SK 6.2 TP3**

Which of the following pairs of equations are simultaneous linear equations in two variables?

- A $m + 2n = 8$ C $3m + n = 7$
 $mn = 10$ $3m + p = -7$
B $m - 3n = 7$ D $3m - n = 1$
 $2m = 3n$ $\frac{1}{m} + \frac{1}{n} = -1$