PRAKTIS PROGRESIF 2

Bab 1 - 6

BAHAGIAN A
SECTION A

Jawab semua soalan.
Answer all questions.

1 Antara berikut, susunan nombor yang manakah mengikut urutan yang menaik?
Which of the following set of numbers is arranged in ascending order?

A −8, −9, 0, 10, −11
B −9, −8, −6, 1, 2
C 7, 5, −2, −5, −10
D 0, −2, −6, 8, 12

2 $-18 - (-9) =$

A 9
B −9
C 27
D −27

3 $4xy \times 2y =$

A $6xy^2$
B $6x^2y$
C $8xy^2$
D $8x^2y^2$

4 Permudahkan $\frac{-9g^2t \times 4mn}{-6gnt}$
Simplify

A $-12gn$
B $6gm$
C $6g^2m$
D $12gmn$

5 $3(ab - 2xy) + \frac{3ab + 9xy}{3}$

A $4ab - 3xy$
B $2ab + 9xy$
C $2ab - 9xy$
D $4ab - 9xy$

6 "Tambah 3 kepada suatu nombor kuasa dua". Pernyataan di atas boleh ditulis sebagai
"Add 3 to a square of a number." The sentence above can be written as

A $3 + n$
B $3 + \sqrt{n}$
C $3 + n^2$
D $3 + n^3$

7 Kos sebiji epal ialah $2x + 1$ sen dan kos sebiji oren ialah $x + 2$ sen. Berapakah Anita perlu bayar untuk 3 biji epal dan 6 biji oren itu?
An apple costs $2x + 1$ sen and an orange costs $x + 2$ sen. How much Anita has to pay for 3 apples and 6 oranges?

A $9x + 12$
B $9x - 15$
C $24x + 10$
D $12x + 15$

8 Lim membeli $2p - 3q$ manggis. Dia makan $p - q$ manggis dan bakinya dibahagi kepada 4 orang adik-beradik secara sama rata. Berapakah manggis setiap seorang dapat?
Lim bought $2p - 3q$ mangosteens. He ate $p - q$ mangoosteens and the rest was divided equally amongst his 4 brothers. How many mangosteens did each of his brother get?

A $\frac{1}{4}p - \frac{1}{2}q$
B $\frac{1}{4}p + \frac{1}{4}q$
C $\frac{1}{4}p - \frac{1}{4}q$
D $p - \frac{1}{2}q$

9 Diberi $3x - 9 = 7 - x$. Cari nilai x.
Given that $3x - 9 = 7 - x$. Find the value of x.

A 2
B 4
C −4
D 6

10 Jika $1 - 2x + 7 = 5x$, cari nilai x.
If $1 - 2x + 7 = 5x$, find the value of x.

A $\frac{1}{7}$
B $\frac{2}{5}$
C $\frac{8}{7}$
D $\frac{5}{6}$

11 Diberi $4 - 5x = \frac{1}{2}$, cari nilai x.
Given $4 - 5x = \frac{1}{2}$, find the value of x.

A $\frac{3}{5}$
B $\frac{2}{3}$
C $\frac{7}{10}$
D $\frac{1}{20}$

12 Selesaikan persamaan serentak.
Solve the simultaneous equations.

$$x - 2y = 4$$
$$2x + y = 13$$

A $x = 1, y = 4$
B $x = 6, y = 1$
C $x = 3, y = 7$
D $x = 2, y = 6$

13 Selesaikan persamaan serentak.
Solve the simultaneous equations.

$$\frac{1}{2}p + q = 5$$
$$\frac{p - 2q}{3} = 2$$

A $p = 6, q = 3$
B $p = 8, q = 1$
C $p = 8, q = 6$
D $p = 4, q = -2$

LIVEWORKSHEETS