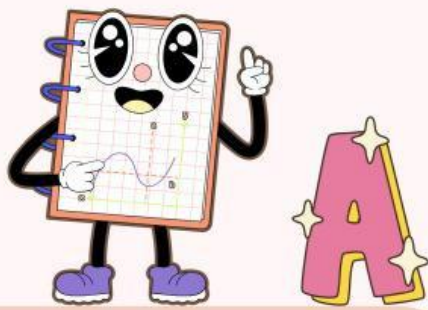




KUIS POLINOMIAL

BY LOLA MS

Nama :

Kelas :

Jawablah pertanyaan dibawah dengan benar!

1. Tentukan nilai $P(-2)$ Jika $P(x) = 5x^4 - 21x^2 + 16x + 2$
(Dengan Skema horner)

Penyelesaian

-2						
						+

2. Tentukan nilai $a+b-c$ dari kesamaan polinomial berikut
 $2ax^3 + 10bx^2 - 2c \equiv -6x^3 - 50x^2 + 8$

Penyelesaian

$2a =$	$10b =$	$-2c =$
$a =$	$b =$	$c =$

Jadi, nilai $a + b - c =$ $+$ $-$ $=$

3. Jika $\frac{x-12}{(x-2)(x+3)} \equiv \frac{A}{(x-2)} + \frac{B}{(x+3)}$, maka tentukan nilai A dan B.

Penyelesaian

$$\frac{x-12}{(x-2)(x+3)} \equiv \frac{A(\dots\dots) + B(\dots\dots)}{(x-2)(x+3)}$$

$$x-12 = \dots x + \dots + \dots x - 2B$$

$$x-12 = (\dots\dots\dots)x + \dots - \dots$$

$$A + \dots = 1 \longrightarrow A = 1 - \dots$$

$$\dots - 2B = \dots$$

Substitusi $A = \dots\dots$

$$3A - 2B = \dots$$

$$3(\dots\dots) - 2B = \dots$$

$$3 - \dots - 2B = \dots$$

$$3 - \dots B = \dots$$

$$\dots B = \dots$$

$$B = \dots$$

$$A = 1 - \dots$$

$$A = \dots$$

- Drag and Drop -

BY LOLA MS

4. Tentukan hasil bagi dan sisa pembagian dengan cara bersusun pada $2x^4 - 6x^3 + 5x^2 + 7x + 12$ oleh $x + 1$

Penyelesaian

$$\begin{array}{r} \boxed{} \boxed{} \boxed{} \\ x + 1 \overline{) 2x^4 - 6x^3 + 5x^2 + 7x + 12} \\ \underline{} \end{array}$$

$$\boxed{}$$

$$\boxed{}$$

$$\boxed{}$$

$$\boxed{}$$

$$\boxed{}$$

$$\boxed{}$$

$$\boxed{}$$

Tong Sampah!



$$-6x - 6 \quad -6$$

$$2x^3 \quad 18$$

$$-18 \quad -6x + 12$$

$$-8x^3 - 8x^2 \quad 13x^2 + 13x$$

$$13x^2 - 13x \quad -8x^2 + 13x$$

$$2x^4 + 2x^3 \quad 13x^2 + 7x$$

$$-8x^3 + 5x^2$$

5. Jika polinomial $4x^3 - 3x^2 + kx + 42$ habis dibagi oleh $x - 2$. Maka tentukan nilai $k = \dots$

Penyelesaian

$$\begin{array}{r} \boxed{} + \boxed{} + \boxed{} \\ x - 2 \overline{) 4x^3 - 3x^2 + kx + 42} \\ \underline{} \end{array}$$

$$\boxed{}$$

$$\boxed{}$$

$$\boxed{}$$

$$\boxed{}$$

$$\boxed{}$$

Tong Sampah!



$$(k + 10) \quad 2k - 62$$

$$5x \quad 2k + 62 \quad 4x^3 - 8x^2$$

$$(k + 10)x - 2k - 20 \quad 5x^2 + kx$$

$$(k + 10)x + 42 \quad 5x^2 - 10x$$

$$4x^2 \quad 4x^3 + 8x^2 \quad 5x^2 + kx^2$$

$$2k + \dots = \dots$$

$$2k = \dots$$

$$k = \dots$$