



Lembar Kerja Siswa Kelas VIII
Menghitung Nilai Fungsi



Nama / Kelas/No :

Soal 01 :

suatu fungsi dinyatakan dengan : $x \longrightarrow 3x + 2$

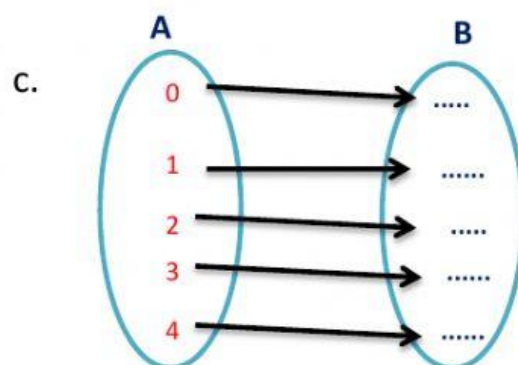
Dengan daerah asal $\{ 0, 1, 2, 3, 4 \}$ carilah :

- Rumus fungsi
- Himpunan daerah hasil
- Diagram panah

Alternatif Penyelesaian :

- $f(x) = \dots\dots\dots$
- $x = 0 \dots\dots\dots f(0) = 3.0 + 2 = \dots\dots\dots$
 $x = 1 \dots\dots\dots f(1) = 3.1 + 2 = \dots\dots\dots$
 $x = 2 \dots\dots\dots f(2) = 3.2 + 2 = \dots\dots\dots$
 $x = 3 \dots\dots\dots f(3) = 3.3 + 2 = \dots\dots\dots$
 $x = 4 \dots\dots\dots f(4) = 3.4 + 2 = \dots\dots\dots$

Jadi Himpunan daerah hasil = $\{ \dots\dots, \dots\dots, \dots\dots, \dots\dots, \dots\dots \}$



Soal 02 :

Diketahui suatu fungsi dinyatakan $x \longrightarrow 2x^2 + 1$
dengan daerah asal $\{ 1, 2, 3, 4, 5 \}$

Carilah :

- Rumus Fungsi
- Daerah hasil fungsi
- Diagram Panah

Alternatif Penyelesaian :

a. $f(x) = 2x^2 + 1$ (fungsi kuadrat)

b. $x = 1 \dots\dots\dots f(1) = 2 \cdot 1^2 + 1 = \dots\dots\dots$

$x = 2 \dots\dots\dots f(2) = 2 \cdot 2^2 + 1 = \dots\dots\dots$

$x = 3 \dots\dots\dots f(3) = 2 \cdot 3^2 + 1 = \dots\dots\dots$

$x = 4 \dots\dots\dots f(4) = 2 \cdot 4^2 + 1 = \dots\dots\dots$

$x = 5 \dots\dots\dots f(5) = 2 \cdot 5^2 + 1 = \dots\dots\dots$

c. Himpunan daerah hasil $\{ \dots\dots\dots, \dots\dots\dots, \dots\dots\dots, \dots\dots\dots, \dots\dots\dots \}$

