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 :

a. Rumus fungsi
b. Himpunan daerah hasil
c. Diagram panah

Alternatif Penyelesaian :

a. f(x) = ...

b. x = 0 ..... f(0) = 3.0 + 2 = ...

x = 1 ..... f(1) = 3.1 + 2 = ...

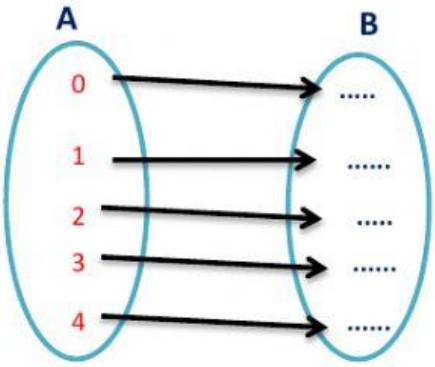
x = 2.....f(2) = 3.2 + 2 = ...

x = 3 .....f(3) = 3. 3 + 2 = ...

x = 4 .....f(4) = 3.4 + 2 = ...

Jadi Himpunan daerah hasil = { ..... , ... , ... , ... , ... }

c.



LIVEWORKSHEETS

Soal 02 :

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

Carilah :

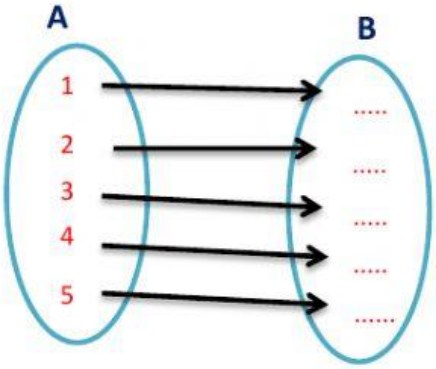
a. Rumus Fungsi
b. Daerah hasil fungsi
c. Diagram Panah

Alternatif Penyelesaian :

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

b. $x = 1$ ..... $f(1) = 2.\ 1^2 + 1$ = ...
$x = 2$ ..... $f(2) = 2.\ 2^2 + 1$ = ...
$x = 3$..... $f(3) = 2.\ 3^2 + 1$ = ...
$x = 4$ .....$f(4) = 2.\ 4^2 + 1$ = ...
$x = 5$ .....$f(5) = 2.5^2 + 1$ = ...

c. Himpunan daerah hasil { ....., ..., ... , ... , ...}



LIVEWORKSHEETS