

## LEMBAR KERJA PESERTA DIDIK

Materi : Relasi dan Fungsi  
Kelas : VIII ....  
Anggota Kelompok : .....

Paraf

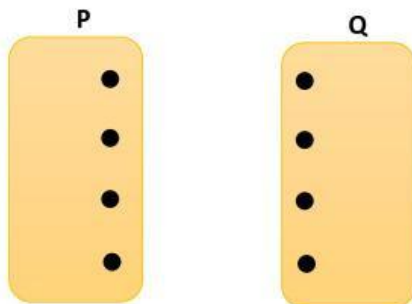
Nilai



**Diskusikan dengan teman kelompokmu!**

1. Buatlah relasi "**kuadrat dari**" dari himpunan  $P = \{16, 9, 4, 1\}$  ke himpunan  $Q = \{1, 2, 3, 4\}$  dengan:

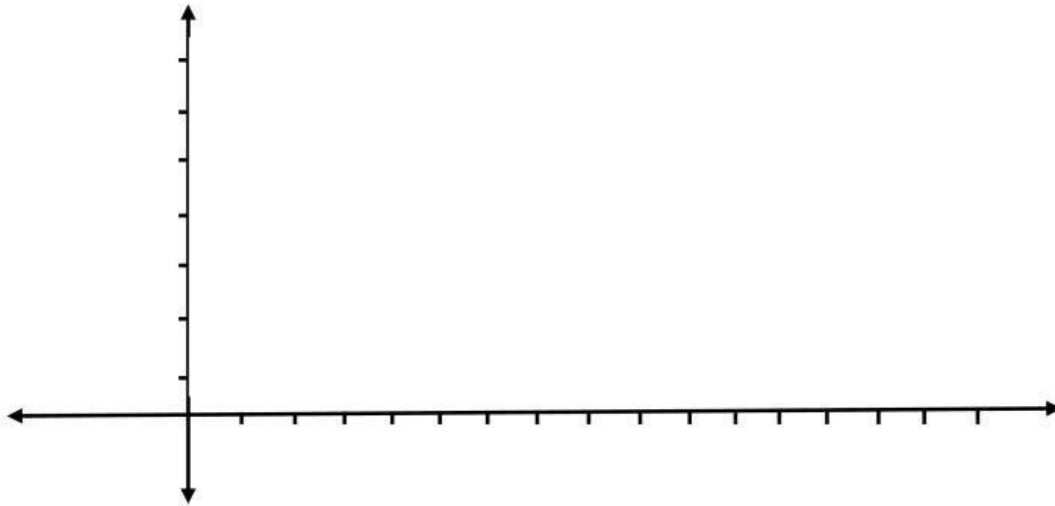
a. Diagram panah;



b. Himpunan pasangan berurutan

$\{(\dots\dots\dots, \dots\dots\dots), (\dots\dots\dots, \dots\dots\dots), (\dots\dots\dots, \dots\dots\dots), (\dots\dots\dots, \dots\dots\dots)\}$

c. Diagram Cartesius;



2. Diketahui  $A = \{0, 1, 2, 3, 4, 5\}$  dan  $B = \{-2, -1, 0, 1, 2, 3, 4, 5, 6, 7, 8\}$ . Fungsi dari A ke B ditentukan oleh  $F(x) = 2x - 2$ . Tentukan

a. Daerah asal (domain)

b. Daerah kawan (kodomain)

c. Daerah hasil (range)

$$f(x) = 2x - 2$$

$$f(0) = 2(0) - 2 = \dots - 2 = \dots$$

$$f(1) = 2(1) - 2 = \dots - 2 = \dots$$

$$f(\dots) = 2(\dots) - 2 = \dots - \dots = \dots$$

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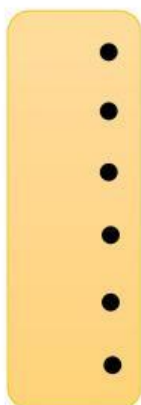
$$f(\dots) = 2(\dots) - 2 = \dots - \dots = \dots$$

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Daerah hasil (Range) =

d. Gambarlah fungsi  $f$  dengan diagram panah

A



B

