

CHAPTER 3 : Linier Function

Your Team :

Perception:

An online motorcycle taxi charges an initial fee of Rp5,000 and an additional Rp2,000 per km, so the mathematical model for the total cost is ...

- A. $y = 5.000 + 2.000$
- B. $y = 5.000x + 2.000$
- C. $y = 5.000 + 2.000x$

Let's think about it:

A linear function is a relation that pairs each value of x with exactly one value of y , and can be written as: $y = ax + b$

Given the function: $y = 2x + 3$

Jika $x = 4$, maka $y = 2(\dots) + 3 = \dots$

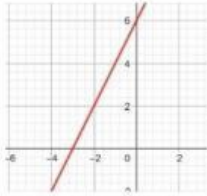
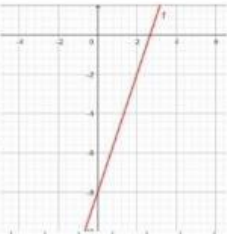
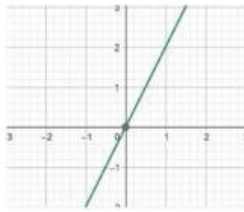
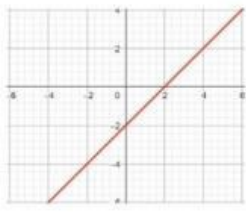
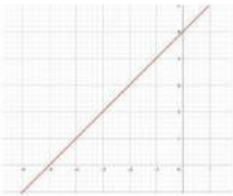
Jika $x = 5$, maka $y = 2(\dots) + 3 = \dots$

Jika $x = 6$, maka $y = 2(\dots) + 3 = \dots$

Jika $x = 7$, maka $y = 2(\dots) + 3 = \dots$

Activity :

Complete the following table with images according to the requested functions (please use Geogebra).

$y = 2x$	$y = 3x + 6$	$y = x - 2$	$y = x + 5$	$y = 3x - 8$
				

Reflection:

Where do you think linear functions appear in everyday life? Explain with examples. (At least 3 examples)