

Directions: Choose the letter that corresponds to the correct answer.

1) The domain of the function $f(x) = \frac{2-x}{x+4}$ is?

- a) $D = \{x \mid x \in \mathbb{R}, x \neq -4\}$
- b) $D = \{x \mid x \in \mathbb{R}, x > 4\}$
- c) $D = \{x \mid x \in \mathbb{R}, x \neq \frac{1}{2}\}$
- d) $D = \{x \mid x \in \mathbb{R}, x \neq 4\}$

2) Which of the following is the inverse of the function $f(x) = 2x - 1$?

- a) $f^{-1}(x) = \frac{x-1}{2}$
- b) $f^{-1}(x) = \frac{x+1}{2}$
- c) $f^{-1}(x) = x + 2$
- d) $f^{-1}(x) = \frac{x+2}{2}$

3) Matt, an avid *plantito*, plans to buy flower pots for his mini garden. He is planning to buy those flower pots from Jessica's flower shop. A flower pot costs Php 70 each. Jessica also charges a fixed delivery fee amount of Php 40 regardless of how many flower pots a customer buys. Write a function that will represent Matt's total cost if he will buy x number of flower pots.

- a) $C(x) = 40x + 70$
- b) $C(x) = 70x - 40$
- c) $C(x) = 40x - 70$
- d) $C(x) = 70x + 40$

4) Using the function you have derived in item #3, determine how much will Matt's total cost if he will buy 8 flower pots from Jessica's flower shop.

- a) Php 600
- b) Php 800
- c) Php 1000
- d) Php 1400



Functions

Practice Questions

- 5) What is the domain of the function $f(x) = x^2 - 3x + 1$?
- a) set of all real numbers
 - b) set of all negative numbers
 - c) set of all nonnegative numbers
 - d) None of the above



To get more Mathematics review materials, visit
<https://filipiknow.net/basic-math/>

To God be the glory!