MINI TASK #1: Prepaid Plans

Name/s: _____ **Date:** _____

Grade & Section: _____

Situation: Jordan has a prepaid phone plan **(Plan A)** that charges Php 0.75 for each text sent and Php 4 per minute for calls and the other company offers a plan **(Plan B)** that charges Php 0.50 for each text sent and Php 5 per minute for calls.

1. If Jordan uses only text features of Plan A:
   A. Write an equation for the cost **C** of sending **t** texts.

   B. How much will it cost Jordan to send **15 texts**? Justify your answer.

   C. If Jordan has **Php 25**, how many texts can he send? Justify your answer.

2. If Jordan only uses the talking features of Plan A:
   A. Write an equation for the cost C of talking **m** minutes.

   B. How much will it cost Jordan to talk for **17 minutes**? Justify your answer.

   C. If Jordan has **Php 42**, how many minutes can he talk? Justify your answer.

3. If Jordan uses both talk and text features of Plan A:
   A. Write an equation for the cost **C** of sending **t** texts and talking **m** minutes.

   B. How much will it cost Jordan to send **7 texts** and talk for **12 minutes**? Justify your answer.

   C. If Jordan wants to send **20 texts** and only has **Php 115**, how many minutes can he talk? Will this use all of his money? If not, will how much money will he have left? Justify your answer.

4. If Jordan uses only text features of Plan B:
   A. Write an equation for the cost **C** of sending **t** texts.

   B. How much will it cost Jordan to send **15 texts**? Justify your answer.

   C. If Jordan has **Php 25**, how many texts can he send? Justify your answer.

5. If Jordan only uses the talking features of Plan B:
   A. Write an equation for the cost C of talking **m** minutes.

   B. How much will it cost Jordan to talk for **17 minutes**? Justify your answer.

   C. If Jordan has **Php 42**, how many minutes can he talk? Justify your answer.

6. If Jordan uses both talk and text features of Plan B:
   A. Write an equation for the cost **C** of sending **t** texts and talking **m** minutes.

   B. How much will it cost Jordan to send **7 texts** and talk for **12 minutes**? Justify your answer.

   C. If Jordan wants to send **20 texts** and only has **Php 115**, how many minutes can he talk? Will this use all of his money? If not, will how much money will he have left? Justify your answer.

7. If Jordan has a monthly allowance of Php 1000 for his prepaid plan, and he is only using the call features for 120 minutes. Which plan do you recommend for him? Justify your answer.

RUBRICS FOR SCORING

CATEGORY	5 EXCELLENT	3 DEVELOPING	1 BEGINNING
Mathematical Concept	Demonstrate a thorough understanding of the concept	Demonstrate a satisfactory understanding of the concepts.	Demonstrate lack of understanding of the concepts.
Accuracy	All of the solutions are correct.	Most of the solutions are correct.	Most of the computations are not correct.
Communication	The solutions are well explained in detail.	The solutions are explained well.	The solutions are not explained at all.
Organization	The output is organized as a whole.	Demonstrate satisfactory organized output.	The output is not organized

Checked by:

_____

Mathematics Teacher