## Lesson 2.5.2: Solving Problems Involving Linear Functions Total points = 27

1. Let: = Given:

Find: Function: mx + bf(x)=

standard fare 🗸 f(x)distance (per 200 m.) v Ь ₱40 (initial fare) ✓ m ₱5 per 200 m. v f(x) $5x + 40 \checkmark$ 

2. Let: f(x)call charge ✓

time in min. after 3 min. ₱<sub>5</sub> (initial charge) ✓ Given: b =

Find: m ₱1 per minute ✓

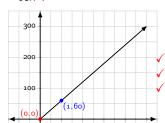
Function: mx + b  $\checkmark$ f(x)f(x)x+5  $\checkmark$ 

f(x)distance travelled (in km) v 3. Let: time travelled (in hr) ✓ =

Given. h o km (initial distance travelled) ✓ =

Find: m = 60 km per hour ✓ Function: mx + bf(x)=

f(x)60x **√** 



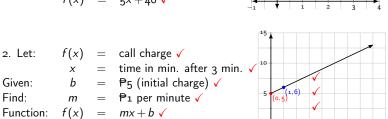
## Lesson 2.5.2: Solving Problems Involving Linear Functions Total points = 27

standard fare 🗸 1. Let: f(x)distance (per 200 m.)

Given: Ь ₱40 (initial fare) ✓

Find: m ₱5 per 200 m. v Function: f(x)mx + b=

f(x) $5x + 40 \checkmark$ 



f(x)distance travelled (in km) 3. Let:

x+5  $\checkmark$ 

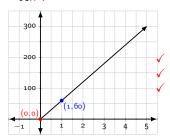
time travelled (in hr) v = Given: h

o km (initial distance travelled) ✓ =

Find: 60 km per hour ✓ m Function: f(x)= mx + b  $\checkmark$ 

> f(x)60*x* √

f(x)



## Lesson 2.5.2: Solving Problems Involving Linear Functions

Total points = 27

standard fare 🗸 1. Let: f(x)

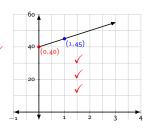
distance (per 200 m.) v ₱40 (initial fare) ✓ Ь

Given: =

₱5 per 200 m. ✓ Find. m =

Function: mx + b  $\checkmark$ f(x)=

f(x)5*x* + 40 ✓



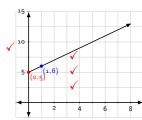
2. Let: f(x)call charge ✓

time in min. after 3 min.

Given: Ь ₱5 (initial charge) ✓ Find: ₱1 per minute ✓ m =

mx + b  $\checkmark$ Function: f(x)=

f(x)x+5  $\checkmark$ 



f(x)distance travelled (in km) ✓ 3. Let:

time travelled (in hr) ✓

Ь Given: = o km (initial distance travelled) ✓

Find: 60 km per hour ✓ m =

Function: f(x)mx + b  $\checkmark$ f(x)60*x* 

> 300 100

## Lesson 2.5.2: Solving Problems Involving Linear Functions Total points = 27

1. Let: f(x)standard fare 🗸 distance (per 200 m.) v

₱40 (initial fare) ✓ Given: Ь =

Find. m = ₱5 per 200 m. ✓ Function: mx + b  $\checkmark$ f(x)

f(x)5*x* + 40 ✓



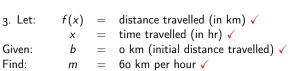
time in min. after 3 min.

Given: Ь ₱5 (initial charge) ✓

Find: ₱1 per minute ✓ m

Function: f(x)= mx + b  $\checkmark$ 

f(x)x+5  $\checkmark$ 



Function: f(x)mx + b  $\checkmark$ 

f(x)60*x* 

