Worksheet 2 Solution

March 10, 2020

Question 1

a) $x = Aizah, y = Aizah$ is one solution.

Yes. There is more than one answer. Take example
$x = Carlos, y = Carlos$

b) $x = Aizah, y = Betty$ is one solution.

Yes. There is more than one answer. Take example
$x = Ellen, y = Flo$

c) The statement is true

x	y	$rich(x) \land sameDept(x, y)$
Aizah	Aizah	True
Betty	Aizah	True
Carlos	Carlos	True
Doug	Aizah	True
Ellen	Ellen	True
Flo	Ellen	True

d) False. Consider example $x = Ellen, y = Carlos$

Question 2

a) $\forall x \in \mathbb{R}, f(x) = 10$