

# 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

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

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