

Worksheet 3 Review 2

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Question 1

a. $Correct(my_prog) \wedge Python(my_prog)$

b. $\forall x \in P, \neg Correct(x) \Rightarrow Python(x)$

Correct Solution:

$\exists x \in P, \neg Correct(x) \wedge Python(x)$

c. $\forall x \in P, Python(x) \Rightarrow \neg Correct(x)$

d. $\forall x \in P, \neg Correct(x) \Rightarrow Python(x)$

e. There is a program that is written in *Python* and is *Correct*

f. All programs are not written in *Python* and is *Correct*

g. There is a program that is *Correct* and not written in *Python*

h. All programs that are correct is not written in *Python*, and all programs that are *Correct* is not written in *Python*.

Question 2

a. Either all programs that are written in *Python* is *Correct*, or all programs that are written in *Python* are not *Correct*

b. $(\exists x \in P, Python(x) \wedge Correct(x)) \Rightarrow (\forall x \in P, Python(x) \wedge Correct(x))$

Question 3

Question 4

Question 5