Exercise 4

1. Are the following two distributions equivalent?

import random

def dist1():

return random.random() \* 2 - 1

def dist2():

if random.random() > 0.5:

return random.random()

else:

return random.random() - 1

Yes

No

1. Are the following two distributions equivalent?

import random

def dist3():

return int(random.random() \* 10)

def dist4():

return random.randrange(0, 10)

Yes

No

1. Are the following two distributions equivalent?

import random

def dist5():

return int(random.random() \* 10)

def dist6():

return random.randint(0, 10)

Yes

No