Question One. 40 points. Supply the missing `draw_circle` function so that when the program below is executed, the following two objects are drawn: (1) a red circle, centered at x coordinate 0 and y coordinate 0 with a diameter of 50 and (2) a blue circle, centered at x coordinate -100, y coordinate 200 with a diameter of 75. Hint: use online documentation to read about the turtle module’s dot function.

```python
import turtle

circle = turtle.Turtle()

draw_circle(circle, 0, 0, 50, "red")
draw_circle(circle, -100, 200, 75, "blue")
```

Question Two. 30 points. The **Cenozoic Era** includes the time period from 66 million years ago to today. The **Mesozoic Era** includes the time period from 252.17 million years ago up to, but not including, 66 million years ago. Consider any other time period to be part of an **Unknown Era**. Complete the program below using an if-elif-else construct. When run, the program should print one of the following three messages: **Cenozoic Era**, **Mesozoic Era** or **Unknown Era**. Assume that the user will enter a valid floating point number such as 33.45 or 33.

```python
year = float(input("How many millions of years ago is it: "))
```
Question Three. 30 points. Type in the program below and experiment with it until you understand what it does.

# Start of Program

import turtle
import random

runner = turtle.Turtle()

def move(x,y):
    direction = random.randint(1, 2)

    if direction == 1:
        runner.left(90)
    else:
        runner.right(90)

    runner.forward(50)

turtle.onscreenclick(move)

# End of Program

Part A. 15 points. Describe in English what the program does.

Part B. 15 points. Modify the program above as simply as possible so that the turtle can potentially generate a grid of equilateral triangles. Make the modifications directly to the above code and keep them as simple as possible.