1. Perkovic 2.27

2.27 Using the approach from Problem 2.26, write Python statements that draw a diamond of side length 100 pixels using Turtle graphics.

2. Perkovic 2.32

2.32 Using Turtle graphics, illustrate the relative size of the sun and the earth by drawing two circles. The circle representing earth should have a radius of 1 pixel. The circle representing the sun should have a radius of 109 pixels.
3. Perkovic 3.18

3.17 Assume a, b, and c have been defined in the interactive shell as shown:

>>> a, b, c = 3, 4, 5

Within the interactive shell, write if statements that print 'OK' if:
(a) a is less than b.
(b) c is less than b.
(c) The sum of a and b is equal to c.
(d) The sum of the squares a and b is equal to c squared.

3.18 Repeat the previous problem with the additional requirement that 'NOT OK' is printed if the condition is false.

4. Perkovic 3.20

3.20 Write a for loop that iterates over a list of numbers lst and prints the numbers in the list whose square is divisible by 8. For example, if lst is [2, 3, 4, 5, 6, 7, 8, 9], then the numbers 4 and 8 should be printed.
5. Perkovic 3.21

3.21 Write for loops that use the function `range()` and print the following sequences:

(a) 0 1
(b) 0
(c) 3 4 5 6
(d) 1
(e) 0 3
(f) 5 9 13 17 21