

2 Dimensional Solar Systems

Name:

Date:

If we were 2 dimensional beings, living in a 2 dimensional universe things would be quite different.

1. Find the **diameter**, **radius**, **circumference** and **area** of the following planets...show your calculations and $\pi=3.14$...round your answers to 2 decimal places(hundredths place). Write out all work neatly.

Formulas: $A = \pi r^2$ $C = \pi d$ $C = 2\pi r$

a) Mercury

f) Pluto

b) Venus

g) Uranus

c)Earth

h) Neptune

d)Mars

i) Pluto

e)Jupiter

j) Sun

Draw and colour a planet of your creation....

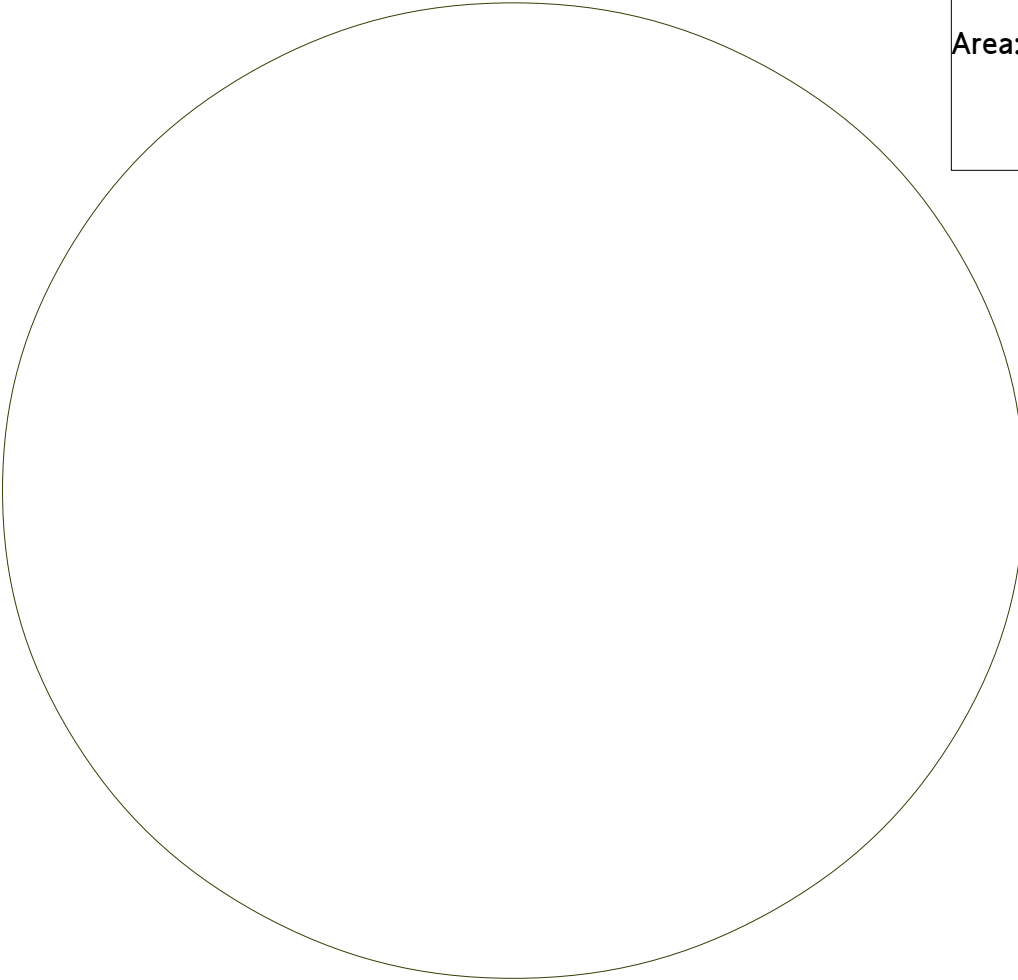
Also, provide the diameter, circumference and area of this world...also state what this planet would be like...is it a rocky, watery world, gas giant, how is the gravity on this world, what sort of things could survive here?

Planet Name:

Diameter:

Circumference:

Area:



Detailed Description of your world:

A large, empty rectangular box with a thin black border, intended for writing a detailed description of the planet. It occupies the bottom half of the page.