**Area of a Circle**

Vocabulary:

Area – number of square units needed to cover a given surface ( the inside of a given space)

Formula: (Hint: There is NO diameter formula)

Note: **If given a diameter, you must solve for radius using the following: , put the diameter value in for “d” divide by 2 and you will get your radius for the area formula**

Note: **For π it is best to press the calculator button displaying the π symbol for the most accurate answer or if you do not have a calculator type in 3.14 for the value of π**

EX. (1) – A biscuit recipe calls for the dough to be rolled out and **circles** to be cut from the dough. The biscuit cutter has a **radius of 4 cm**. Find the **area** of the top of the biscuit once it is cut.

Use the formula:

Note**: If the scenario asks you to leave the answer in terms of π, you just multiply the two values and write the value with π next to the value. (ie… cm)**

Ex. (2) – The most popular pizza at Pavone’s Pizza is the **10-inch personal pizza** with one topping. What is the **area** of a pizza with a **diameter** of **10 inches**? Round your answer to the nearest hundredth

Use the formulas: and (Hint: We are given a **diameter,** must change to radius)

Note**: If the scenario asks you to leave the answer in terms of π, you just multiply the two values and write the value with π next to the value. (ie…**