Use your large pizza circle and colorful toppings to create a pizza. Your pizza will need to be divided into 8 equal slices and calculations such as area of circles, circumference, subtracted area, and crust-only area will need to be discovered. Make sure the full of each ingredient is on one piece **or** half and half.

**Date due:** Monday, March 4th, 2019

**Directions:**

1. Draw a square box with an area of 400cm2
2. Draw a circle inside the box with a diameter the same as the length of each side of the box.
3. Draw a circle with a radius of 9cm, using the same center as #2. (ring between circles will be your crust)
4. Cut the “pizza” into 8 equal pages. (this can be done by using the dimensions of the box the circle sits inside, as well as the corners of the box.
5. You must at least include the following amounts of each ingredient.
   * 1. 7 Pepperoni pieces (3 cm diameter) - Red
     2. 4 Mushroom pieces (2 cm diameter) - Black
     3. 5 Pineapple pieces (1.5cm diameter) - Yellow
     4. 6 Olive pieces (1.5 cm diameter) - Green
6. Cheese can be coloured in using yellow/orange; crust can be brown.

**On the back…**

1. Calculate the area of the whole pizza.
2. Calculate the circumference of the whole pizza
3. Calculate the area of just the crust.
4. Calculate the circumference of each type of ingredient
5. Calculate the area of the cheese on each slice minus the area taken up by ingredients.
6. Calculate the area of the box that is visible.