

Question 3 (50 points for q3.py)

Please set the random seed to 2023, then use the Turtle graphic module to draw the following picture:

- (20 points) Draw X-axis and Y-axis with length of 1000 (each side is 500).
- (20 points) Repeat 30 times, each time draw a circle that
 - centers are in the (0, 0)
 - the first radius is 50, then each loop increases the radius by 10
 - then uses a random color from the list (don't change it) of **`COLORS = ["beige", "coral", "gold", "blue", "green"]`**. Please use **`random.randint`** function to generate a valid random index to the list of colors.
- (10 points) draw a square that encloses and touches the outmost circle in **RED** color.

The final picture will look like the following:

