3. (Growth)

    (a) (2 points) In the Logistic Growth model, what is the carrying capacity of an environment?

    (b) (3 points) What is the difference between simple and compound interest?

    (c) (3 points) Describe a situation in which the linear growth model applies and gives reasonable results. Explain your reasoning.

4. (Geometry)

    (a) (2 points) Can the number of fixed points of an isometry distinguish between a translation and a glide reflection?

    (b) (3 points) What are the symmetry types of the following plane figures:

        a) A square.

        b) A circle.

        c) A hexagon.

    (c) (3 points) How can you distinguish a 180 degrees rotation from a reflection?