Name:

Date:

School:

Facilitator:

1.04 PPF Graph

Total Points: 40

**Use the Geogebra interactive graph (linked on the Task webpage) to complete this assignment. There are step-by-step directions on how to use Geogebra tools linked on the Task page.**

# Part 1: Create Your Graph

**Step 1:** Plot each point shown in the table below on the interactive Geogebra graph (linked on the Task page). Then, use the tools on the interactive graph's toolbar to connect the points and complete the production possibilities curve.

| **Rice** | **Corn** |
| --- | --- |
| 0 | 9 tons |
| 1 ton | 7.5 tons |
| 2 tons | 6 tons |
| 3 tons | 4.5 tons |
| 4 tons | 3 tons |
| 5 tons | 1.5 tons |
| 6 tons | 0 |

**Step 2:** Plot the following points on the interactive graph:

* 3 corn, 3 rice (Point A).
* 3 corn, 7 rice (Point B).

# Part 2: Answer Questions

Use the production possibilities curve you created in Step 1 to answer the questions below.

1. Is Point A (3 corn, 3 rice) possible? (yes or no)
2. Is Point A efficient? (yes or no)
3. Is Point B (3 corn, 7 rice) possible? (yes or no)
4. Can Point B be reached in the future? How?

# Part 3: Screenshot Your Graph

Use the tools on the interactive graph's toolbar to create an image of the finished production possibilities curve. See the links “Instructions for Using Geogebra” and/or the “Making a Screenshot” video tutorial (on the Task page) for guidance.

Paste the image of the finished production possibilities curve below.