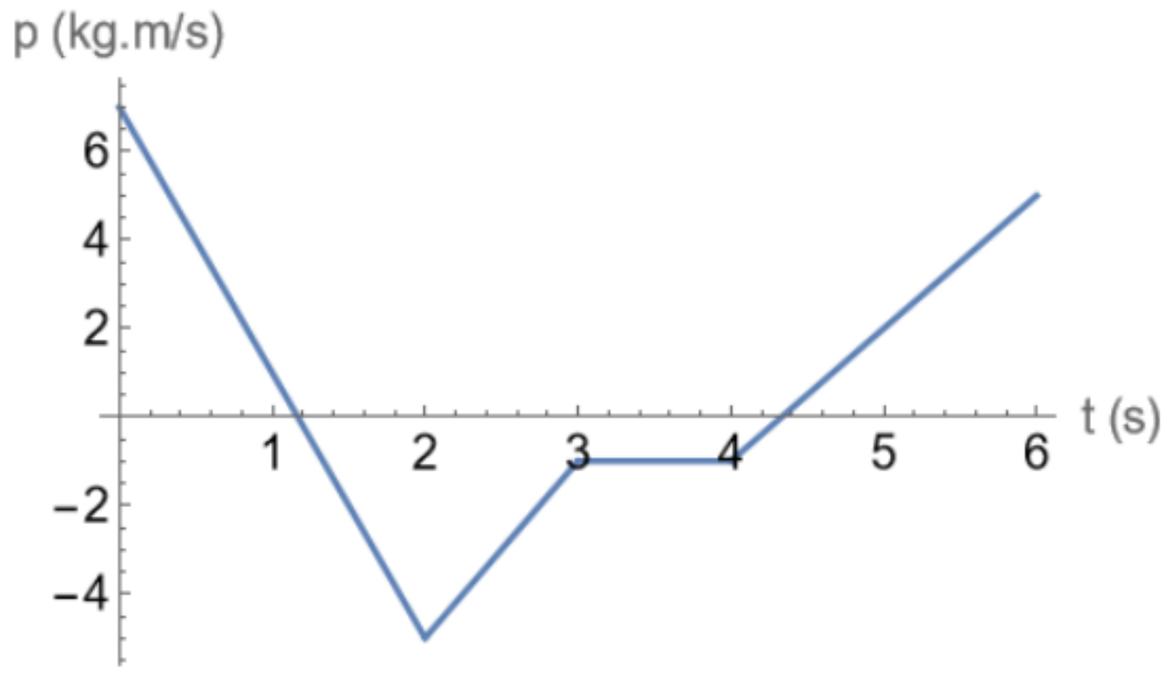
Name: Student ID:

**Practice Problems Test II**

Solutions to be posted on weekend

1. A system's linear momentum versus time graph is shown. In which region is the magnitude of the external force acting on the system the greatest?
   a. 0<t<2s
   b. 2s<t<3s
   c. 3s<t<4s
   d. 4s<t<6s




2. Two friends are standing on a large merry-go-around that is rotating at a constant angular acceleration. Friend 1 is on the edge, while Friend 2 is halfway between the edge and the centre. How do their accelerations compare?

a) Both friends have the same centripetal acceleration and the same angular acceleration