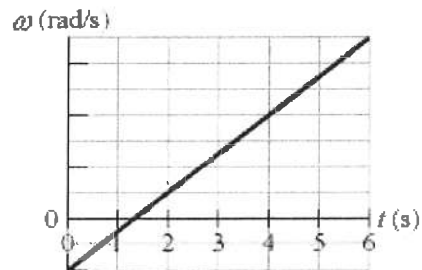


2. The figure below gives the angular speed versus time for a thin rod that rotates around one end. The vertical axis is marked in increments of 2 rad/s.



- A. What is the magnitude of the rod's angular acceleration?
- B. At $t = 4.0$ s, the rod has a rotational kinetic energy of 1.30 J. What is its kinetic energy at $t = 0$?