## Homework H.2.J

Given: A mechanism is made up of links $\mathrm{AB}, \mathrm{BD}$ and DE joined together with pins, as shown in the figures. Link $A B$ is known to be rotating in a counter-clockwise sense with a constant angular speed of $\omega_{A B}$. At the instant shown, links AB and DE are horizontal, and pin D is directly below pin A.

Find: For the position shown:
(a) Determine the angular velocities of links BD and DE. Write your answers as vectors.
(b) Determine the angular accelerations of links BD and DE. Write your answers as vectors.


