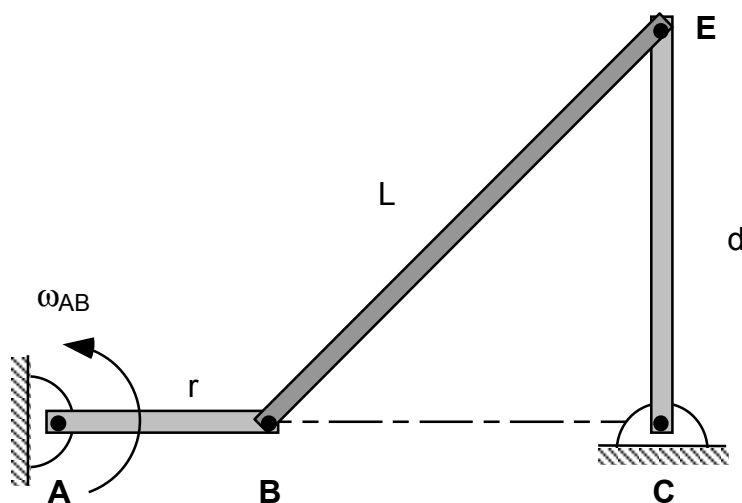**Homework H2.D**

Given: The mechanism shown below is made up of links AB, BE and CE. Links AB and CE are pinned to ground at pins A and C, respectively. Link BE is pinned to links AB and CE at pins B and E, respectively. Link AB is rotating CCW at a constant rate of ω_{AB}. In the position shown link AB is horizontal, and link CE is vertical.

Find: For this position:

(a) Determine the angular velocity for links BE and CE.

(b) Determine the angular acceleration for links BE and CE.

Use the following parameters in your analysis: $r = 0.2$ ft, $L = 0.5$ ft, $d = 0.4$ ft and $\omega_{AB} = 4$ rad/s.