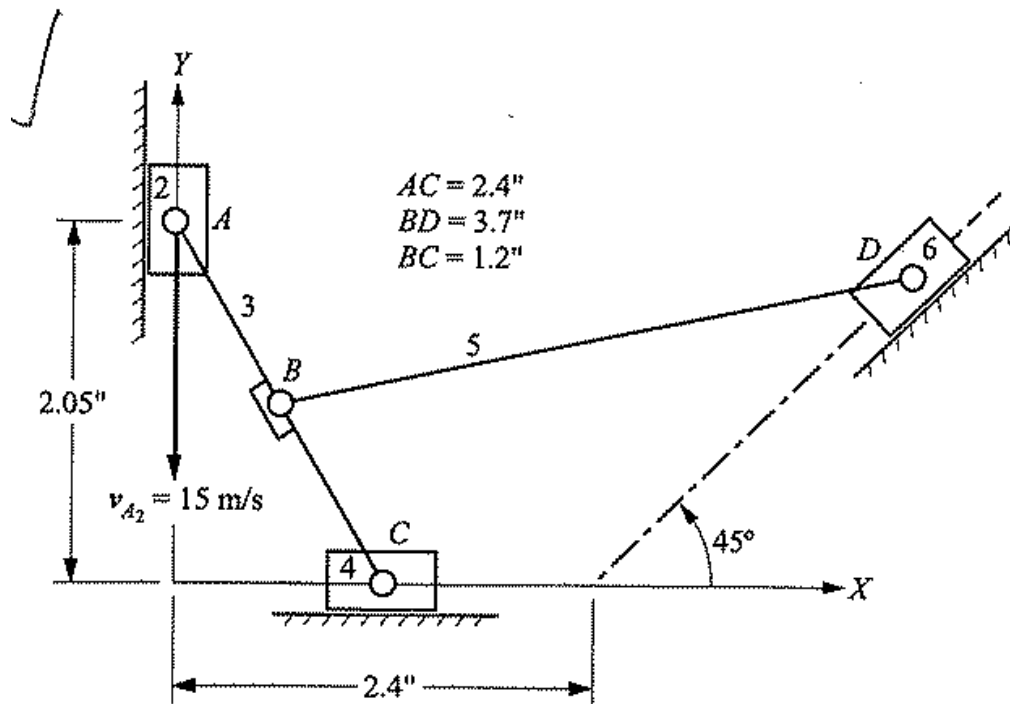
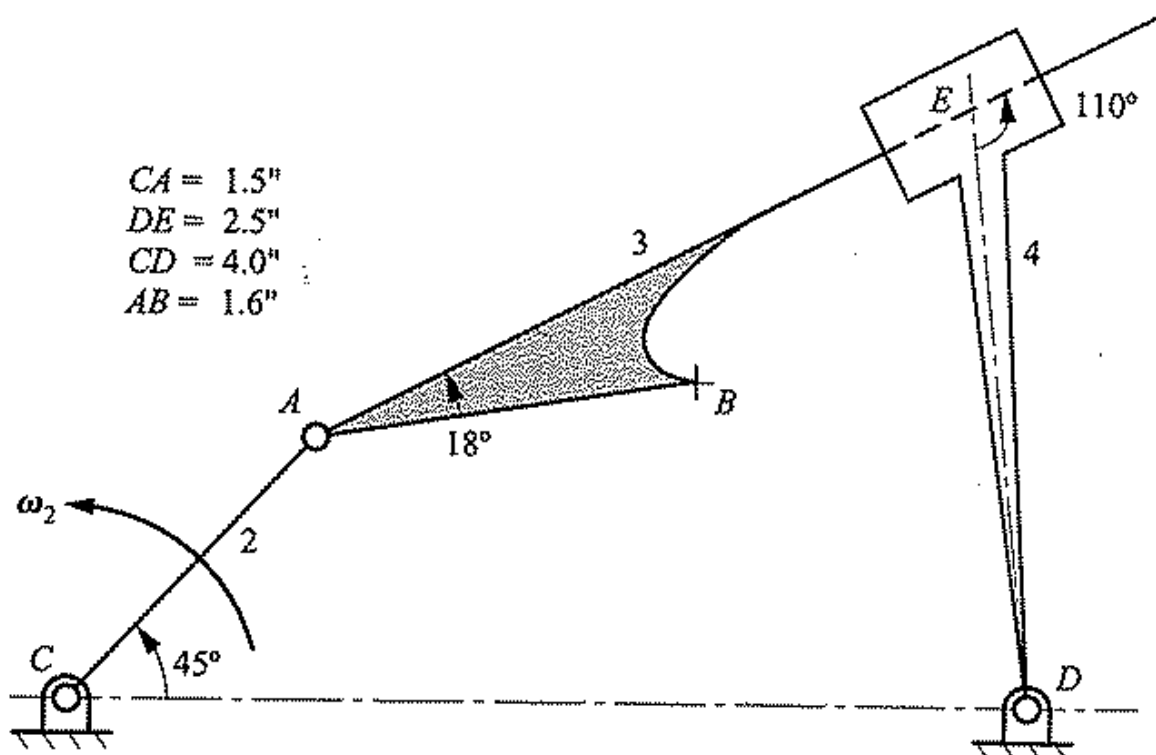


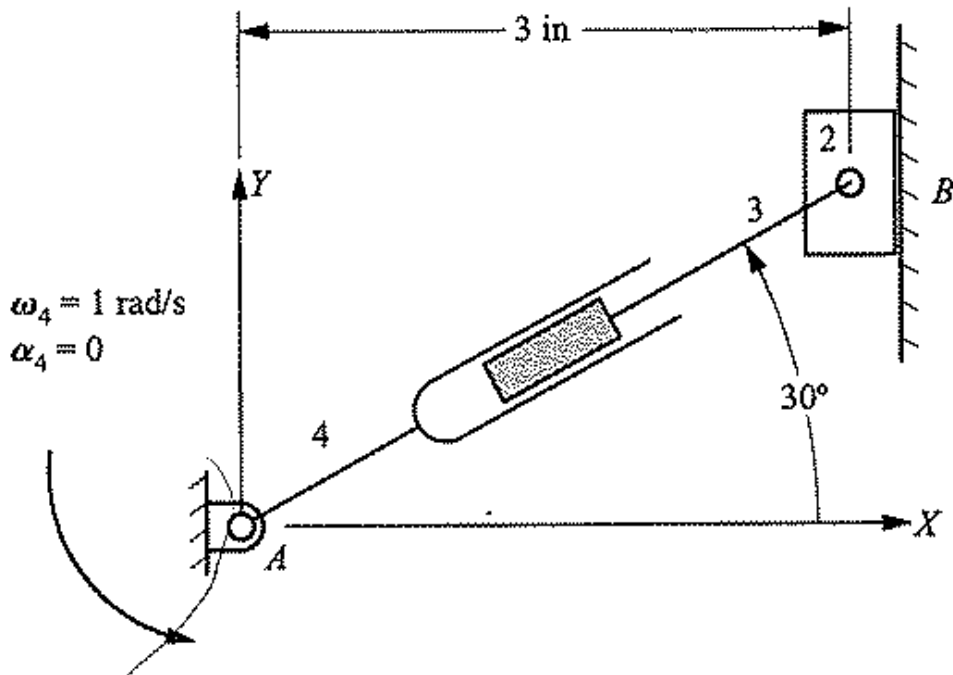
2.24 In the mechanism shown, $v_{A_2} = 15 \text{ m/s}$ with direction downward. Draw the velocity polygon, and determine the velocity of point D on link 6 and the angular velocity of link 5.



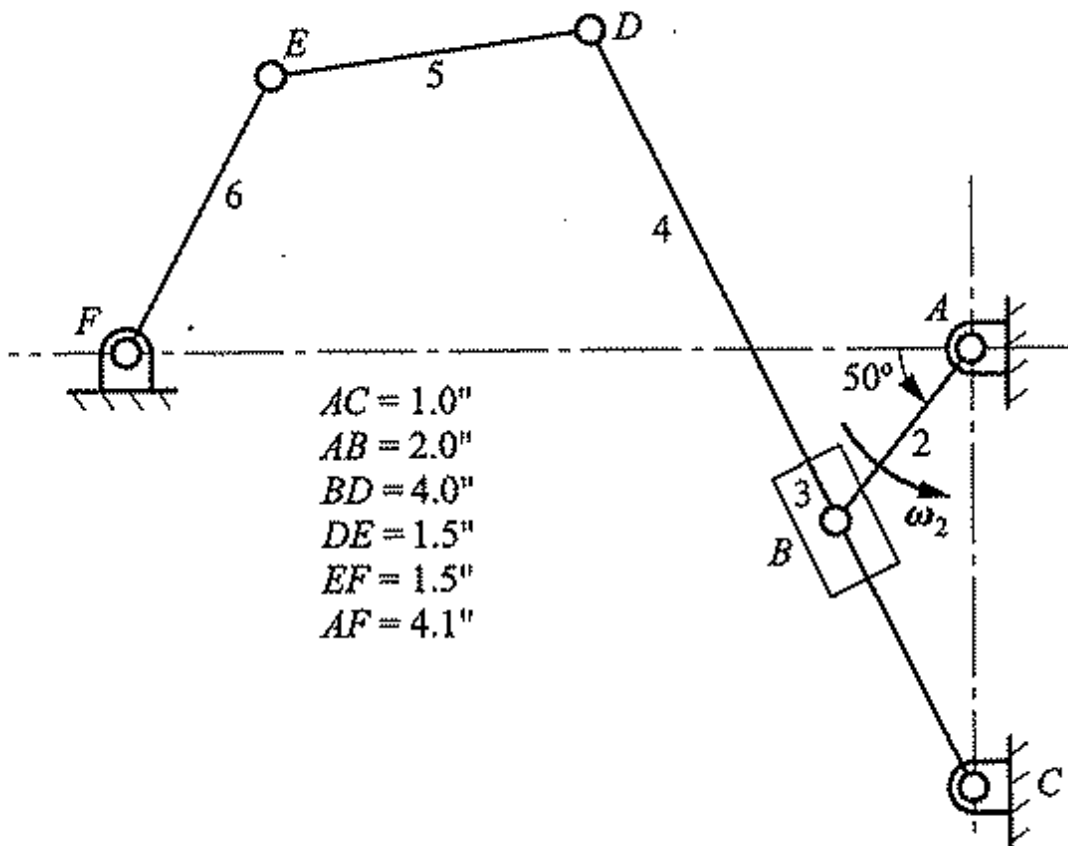
3.2 If $\omega_2 = 10 \text{ rad/s}$ CCW, find the velocity of point B_3 .



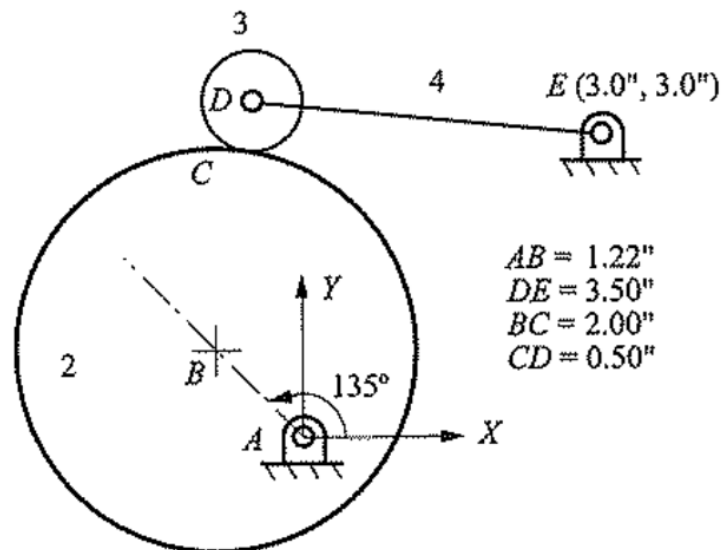
3.5 Determine the velocity and acceleration of point B on link 2.



3.8 If $\omega_2 = 5 \text{ rad/s}$ CCW, find ω_6 .



3.20 The circular cam shown is driven at an angular velocity $\omega_2 = 15 \text{ rad/s}$ (CW) and $\alpha_2 = 100 \text{ rad/s}^2$ (CW). There is rolling contact between the cam and the roller, link 3. Find the angular velocity and angular acceleration of the oscillating follower, link 4.



3.37 If $\omega_2 = 10 \text{ rad/s}$ CCW (constant), find v_{B_2} , v_{B_3} , a_{B_3} , and a_{C_4} .

