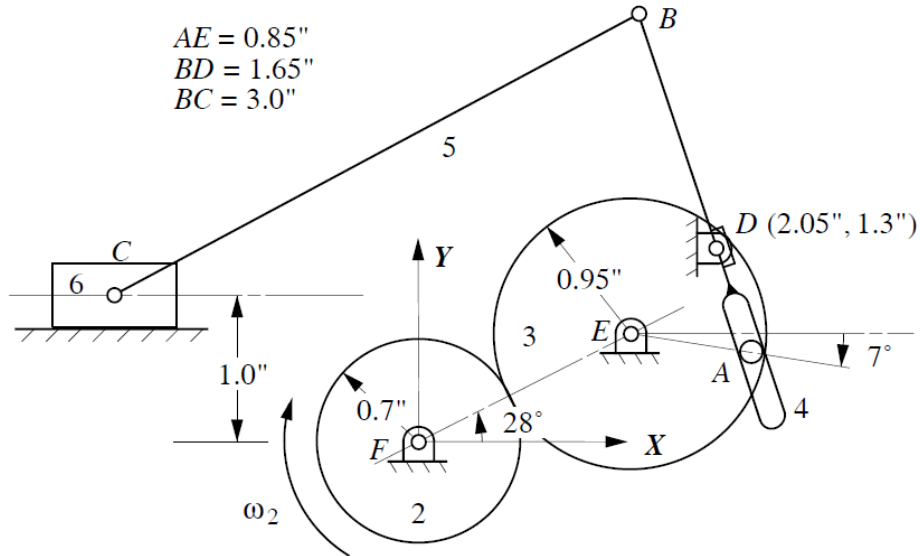


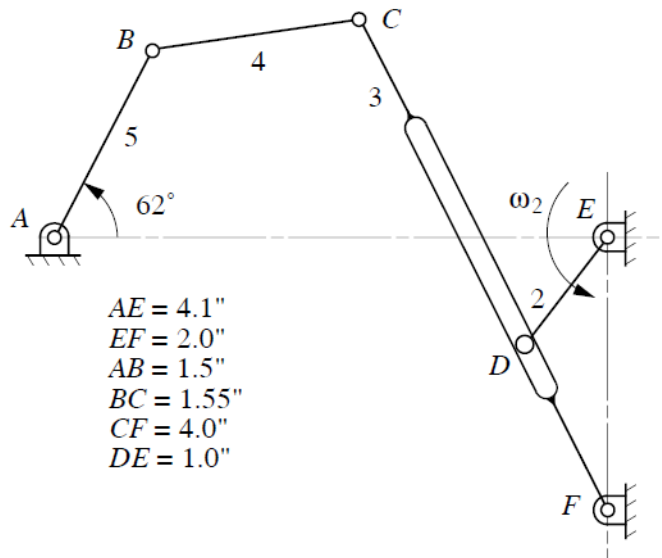
Problem 4.11

Find the velocity of point C given that the angular velocity of gear 2 is 10 rad/s CW. B is a pin joint connecting links 4 and 5. Point A is a pin in link 3 that engages a slot in link 4.



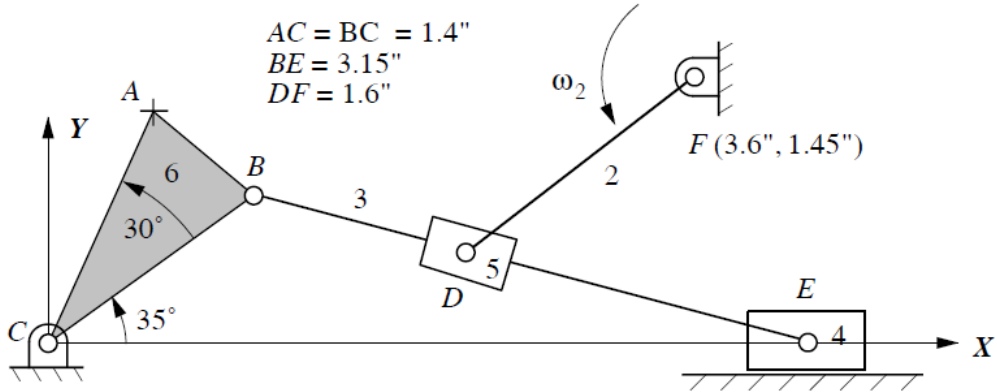
Problem 4.12

If $\omega_2 = 5$ rad/s CCW, find ω_5 using instant centers.



Problem 4.13

If $\omega_2 = 1 \text{ rad/s}$ CCW, find the velocity of point A on link 6 using the instant center method. Show v_{A6} on the drawing.



Problem 4.25

Assume that link 7 rolls on link 3 without slipping, and find the following instant centers: I_{13} , I_{15} , and I_{27} . For the given value for ω_2 , find ω_7 using instant centers.

