

Name: _____

Score: _____

Quiz #6

Monday 29 October 2001 (25 minutes)

Problem (Total Points: 40): In the mechanism shown, the crank AB has a constant angular velocity $\omega = d\theta/dt$.

1. (10 points) Find x and ϕ in terms of θ , the angular position of AB .
2. (15 points) By absolute motion analysis, find the velocity and acceleration of the block C .
3. (15 points) By absolute motion analysis, find the angular velocity and acceleration of the link BC .

