18.5.2 Double pendulum, Again. For the double pendulum in problem **??**, $\ddot{\phi}_1$ and $\ddot{\phi}_2$ are also known at the instant shown. For the instant shown, answer the following questions in terms of ℓ, ϕ_1, $\dot{\phi}_1$, $\ddot{\phi}_1$, ϕ_2, $\dot{\phi}_2$, and $\ddot{\phi}_2$.

a) What is the absolute acceleration of point A?

b) What is the acceleration of point B relative to point A?

c) What is the absolute acceleration of point B?