4. . A 1 kg mass on a frictionless inclined plane is connected by a pulley to a hanging 0.5 kg mass, as in the diagram.  At what angle will the system be in equilibrium? cos 30Âº = sin 60Âº = , cos 60Âº = sin 30Âº = 1/2, cos 45Âº = sin 45Âº = . (A) 0Âº (B) –30Âº (C) 30Âº (D) 45Âº (E) 60Âº