ME 274 – 12:30 section – Quiz 5

Name

V = VBZ

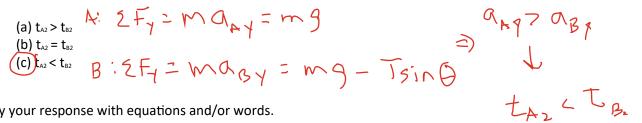
You may work in groups. You may use your book. You may not use the internet.

Particle A (of mass m) is released from rest at elevation 1. Particle B (of mass m and connected to lightweight bar OB) is also released from rest at elevation 1. Circle the answer below that correctly describes the speeds of A and B ( $v_{A2}$  and  $v_{B2}$ , respectively) at elevation 2.

 $\frac{\partial B}{\partial T_2} = V_1 = V_1$ (a)  $v_{A2} > v_{B2}$ (b)  $v_{A2} = v_{B2}$ (c)  $v_{A2} < v_{B2}$ A:  $T_2 = V_1$   $Z_2 = V_2$   $Z_2 = V_2$   $Z_2 = V_2$   $Z_2 = V_2$ 

Justify your response with equations and/or words.

Circle the answer below that correctly describes the times required for A and B to reach elevation 2 ( $t_{a2}$ and t<sub>B2</sub>, respectively).



Justify your response with equations and/or words.

