

Quiz 5 Physics 220

Name: _____ Group: _____

Note: Putting the correct name and group section and number are worth 1 point.

1. Consider Blocks A and B connected by a string and a second string is attached to block A. String 1 is being pulled with a force F and the blocks are on a frictionless surface.
 - a. Draw free body diagrams for each block
 - b. Apply Newton's 2nd Law ($F=ma$) to each free body diagram (write out the sum of the forces equations).
 - c. Find an expression for the Tension in each string in terms of M_A , M_B , and a .

