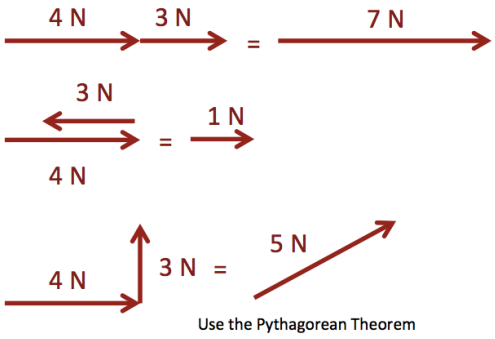
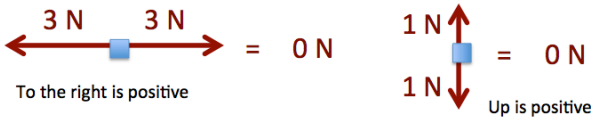
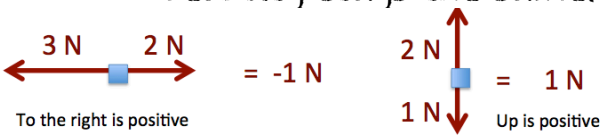
Physics	Topic/ Objective:	Name: Period: Date:

Essential Question:

Questions:	Notes:
	When forces are combined, _____ forces can be added. Note: _____ are established using (+) and (-) signs. When forces are in opposite directions, the _____ force is the in _____ of the largest force. When multiple forces act on object, all of the forces can be added together to find the _____ _____ (____or____) on the object.
	Force Vector Addition Samples:  Use the Pythagorean Theorem
	 When the net force is _____, the forces are _____. velocity stays the same.  When the net force is ____ _____ the forces are _____. velocity changes ACCELERATION OCCURS!!

Summary:

Questions:	Notes:
	When the _____ are _____: F_{NET} = _____ or ΣF = _____ The object is at rest so (v = 0 and a = 0) . . . . . **THIS IS CALLED** _____ _____. **OR** The object moves at _____ _____ (v≠ 0 and a = 0) . . . **THIS IS CALLED** _____ _____.
	When The _____ are _____ _____: $F_{NET} \neq$ _____ or $\Sigma F \neq$ _____ The velocity is _____ (a ≠ 0) The object is _____ (velocity is changing) **THIS IS CALLED DISEQUILIBRIUM.**

Summary: