

**Can we look at these in the reverse order (velocity tells me \_\_\_\_\_\_\_ about acceleration, which tells me \_\_\_\_ about net force?**

**If not, why not?**

**No**

**Is the net force constant?**

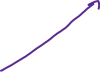
**What does this tell me about acceleration?**

**What does this tell me about velocity?**

**What does this tell me about velocity?**

**What does this tell me about acceleration?**

**Yes**



**What if anything changes if the problem is 2 dimensional?**

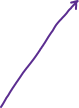
**Kinematic equations allowed?**

**Velocity vector changes?**

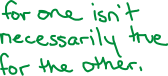
**Net Force constant?**

**Yes**

**Is the acceleration constant?**



**Net Force constant?**



**It’s zero**



**Velocity vector changes?**



**Kinematic equations allowed?**



**No**

**Go to next page**



**Acceleration is NOT constant.**

**Can break into segments that are constant acceleration**

**Constantly changing acceleration**

**When is net Force constant?**

**When are kinematic equations allowed?**

**When does the velocity vector change?**

**When are kinematic equations allowed?**

**When does the velocity vector change?**

**When is net Force constant?**



**Notes to self on how to deal with problem segments: details on sketch, variable names, approach to solving parts**

**Context Clues – create your own glossary**

**Here are a few clues to get you started:**

At rest =

Smooth =

Rough =

Constant speed =