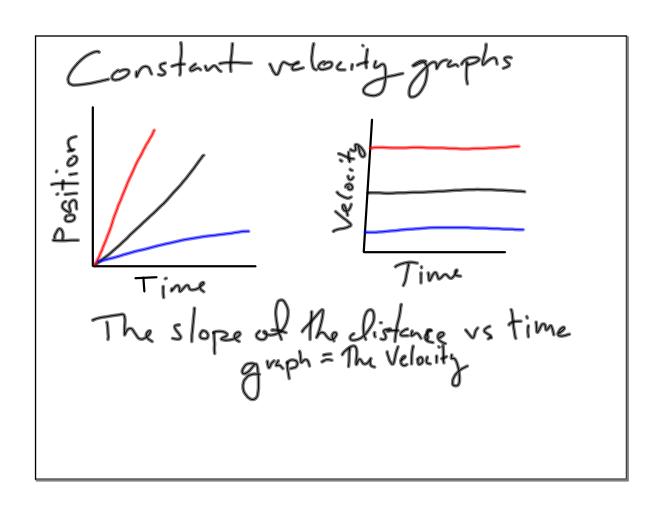
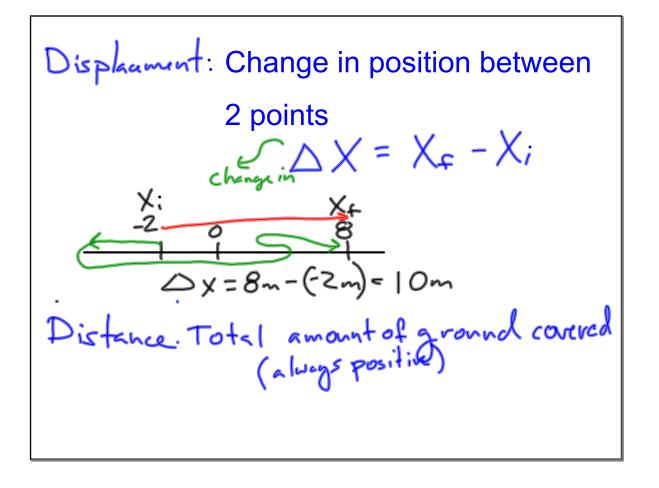
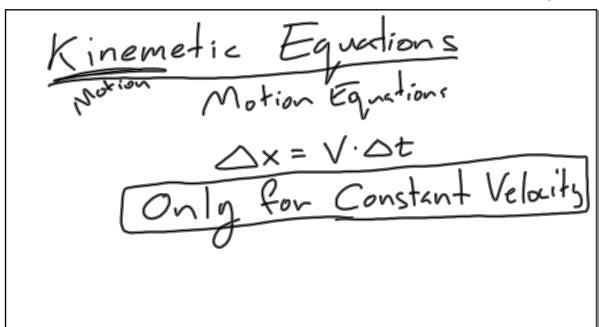
Draw Position (y) vs. time (x) graphs for the following scenarios (no numbers, just shapes)

- A car starts at position zero and drives at a constant3 m/s.
- A car starts at position zero, drives at a constant speed, and then stops for a while
- A car drives from a stop, speeding up.
- A car is driving and then slows down
- F A car drives backwards speeding up

Draw velocity vs time graphs for each of the above







Kinematics Lab

Question(s): What is the relationship between the time an object experiences a constant acceleration and:

- 1. its displacement.
- 2. its final velocity.