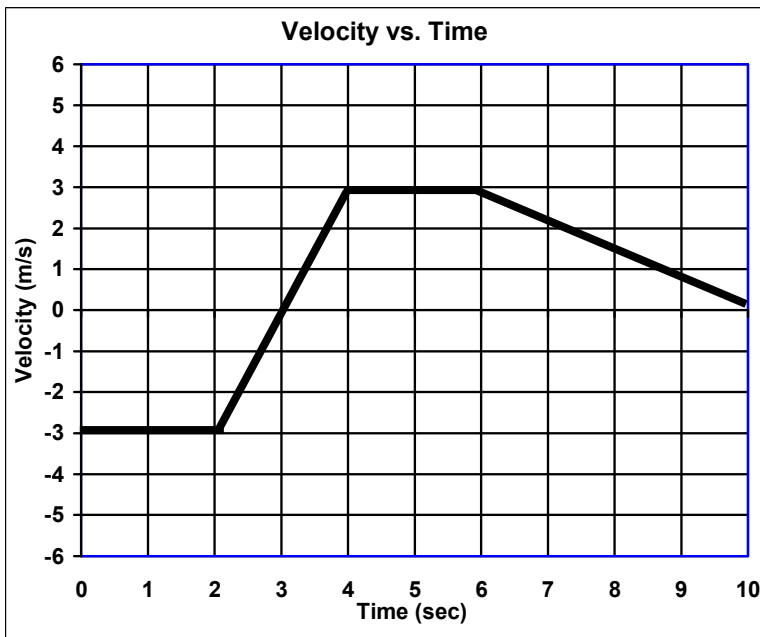
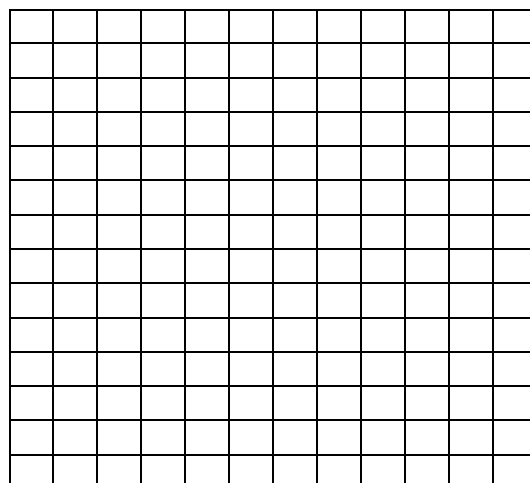
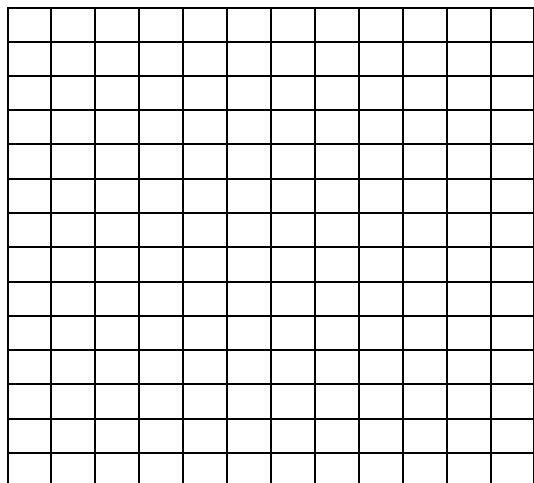


2009 PreAP Linear Motion 8

Due Tues., Sept 2
Due Wed., Sept 23



1. Transfer the velocity vs. time graph at the left to a position vs. time graph and acceleration vs. time graph below.



2. A boy is sitting on a bicycle, waiting at a stop light. Just as the light turns green, a girl passes him on her bike, going 6 m/s. Just as she passes him he starts to accelerate at 2 m/s^2 . How many seconds does it take for the boy to catch up with the girl?