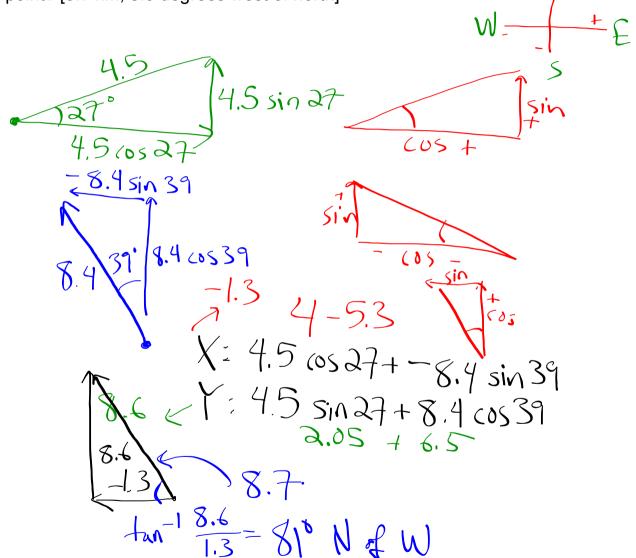
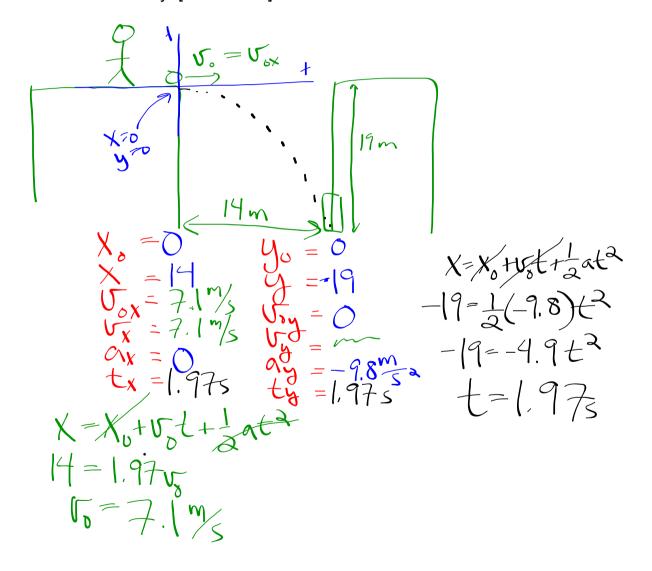
A person walks 27 degrees north of east for 4.5 km. Then, the person walks 39 degrees west of north for 8.4 km. What is the man's displacement from his N starting point? [8.7 km, 8.5 degrees west of north]



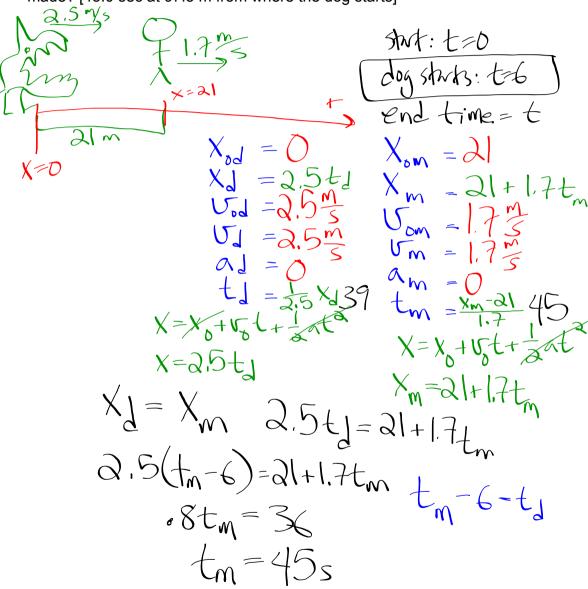
Kinematics Review 2 2nd.notebook October 22, 2013

Bill Melater kicks a rock off the top of his apartment building. It strikes the window of another building 14.0 m away. The window is 19.0 m below the place where Bill kicked the rock off, so how fast was it moving when it left Bill's foot? Assume a horizontal initial velocity. [7.11 m/sec]



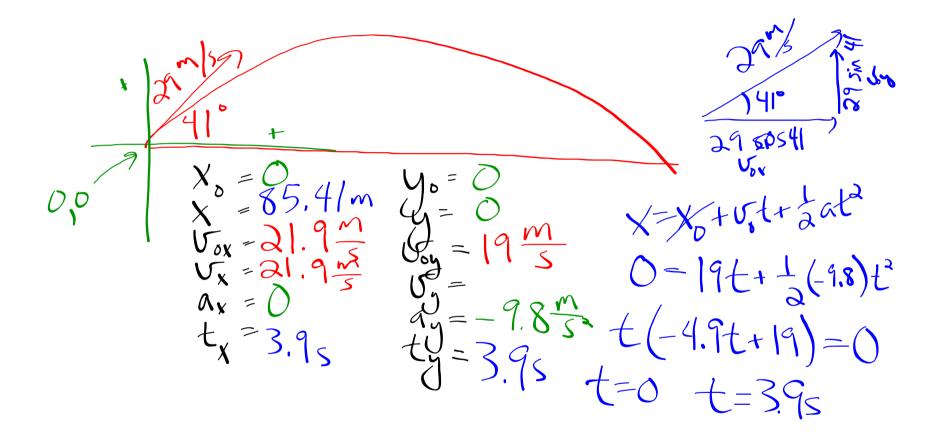
Kinematics Review 2 2nd.notebook

A man jogs along at 1.70 m/sec. An attack dog, 21.0 m behind, waits for 6.00 seconds, and then takes off at 2.50 m/sec. When and where will contact be made? [45.0 sec at 97.5 m from where the dog starts]



Kinematics Review 2 2nd.notebook October 22, 2013

A rock is fired from a slingshot at 29.0 m/sec, 41.0 degrees above the horizontal. How far away does it land? [85.0 meters]



Par 8.4 kpm. What is the many's displacement from his staffing pointly [8 12km, 8.5 degre

3. An astronaut in space experiences the accelerations from three planets as shown below. What is the resultant acceleration acting on the astronaut? [6.36 m/sec², 37.5 degrees above the negative x-axis.]

