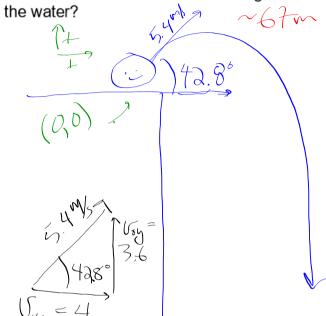
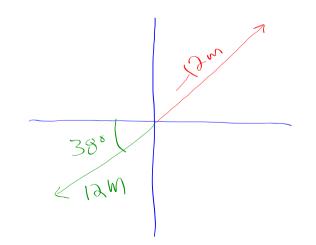
HW Review 102315.notebook

36a. A chicken jumps from a cliff with a velocity of 5.4~m/s at an angle of  $42.8^\circ$ . She reaches the water below 4.1~s later. How high was the cliff and how far from its base did the chicken hit



$$X = 0$$
 $X = 16.4m$ 
 $Y = -67.5m$ 
 $Y = 3.6$ 
 $Y = 0$ 
 $Y$ 



HW Review 102315.notebook October 23, 2015

41. A football is kicked with a speed of 21.0 m/s at an angle of 37° to the horizontal. How much later does it hit the ground? Ignore air resistance.

