Name_____

Show your work and circle your answers to receive full credit.   Ignore air friction, use the convention that down is negative, and use g = 9.80 m/s/s.

Red Elk runs with a horizontal velocity of 5.80 m/s off a cliff, landing 7.40 m from the base of the cliff.

1. What time was he in the air?

2. What is the cliff height?

3. What is his final vertical velocity?
(Just before he hits the ground)

4-5: Draw a picture of the final velocity of impact. Calculate the speed he is traveling, and find the angle below horizontal the velocity makes.