**Physics**

**Group Quiz 3.2**

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.**

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| 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. |  |