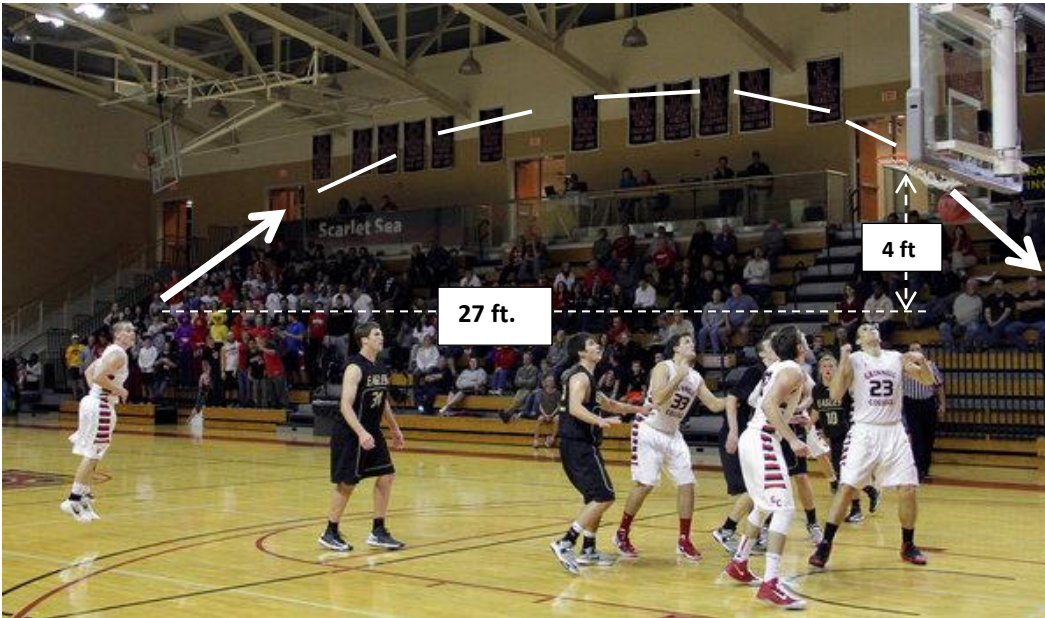


PROJECTILES

Unit 9 & 4 and 5. Dr John P. Cise, Professor of Physics, Austin Com. College,

Austin Texas 78701 jpcise@austincc.edu & NYTimes November 22, 2012 by Zach Schonbrun

138 Points, 108 Shots and a Debate About a Record



INTRODUCTION: Ball was shot 53° above horizontal.

QUESTIONS: (a) Find initial velocity and time of flight? (b) Find horizontal velocity of ball as it went through net? (c) Find vertical velocity as ball went through net? (d) Find resultant velocity as ball goes through net and angle relative to horizontal?

ANSWERS: (a) 31.82 ft/s & 1.41 s (b) $V_H = 19.1$ ft/s (c) $V_V = -19.34$ ft/s, (d) 27.2 ft/s @ 45.4°

Jack Taylor, far left, took 71 3-pointers and finished without a single assist. During one stretch, he scored 28 consecutive points, a Division III record.

At some point in the second half of a 179-104 victory over Faith Baptist Bible on Tuesday night, Grinnell College Coach David Arsenault Jr. looked toward the managers keeping score on the bench.

He asked how many points the 5-foot-10 sophomore guard Jack Taylor had scored. They shrugged. They had lost count. When it was done, Taylor had scored 138, smashing the N.C.A.A. mark set in 1954 by Clarence Francis, better known as Bevo. By 10 p.m. Eastern, Taylor's name was trending nationally on Twitter.

He took 71 3-pointers and finished without a single assist. During one stretch, he scored 28 consecutive points, a Division III record. Taylor scored his 114th point with 4 minutes 42 seconds remaining.

"I kind of got in the zone where everything feels like it was going in," Taylor said.

