

PHYS 211 College Physics I Exam 2A

October 4, 2017

- 2. A game begins with a coin toss. The referee tosses the coin with an initial vetitcal velocity of 8.00 m/s.

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3. An eagle is flying horizontally at 8.00 m/s 12.5 meters above the ground with a fish in its claws. It accidentally drops the fish.

What is the of the magnitude and direction of the fish's velocity when it hits the ground?

a. Magnitude _____17.6 m/s

b. Direction _____63.0

T=15x2+13x2

N= 8,00m/2

152 - 1/20 - 25 y

15= 8,00 M/L

Uy= -297= -2*9.8*(-12.5)=245

N= V12+152 = 182+15.72 = 164 + 245

15 = 17.6 M/2

6 = tan'(151) = tan'(-1517) = -63.0°