Name _____     Date _____

Honors Physics                                                    Vectors/Projectiles WS #9H

Period _____                                                    Mrs. Nadworny

# Projectiles Challenge Question

**Directions:** Solve the following problems using the GUESS method. Show ALL work neatly using proper units and significant figures.

1. A basketball is thrown from a height of 1.85 meters with an initial speed of 15.7 meters per second at an angle of 50.0 degrees. It misses the basket and lands on the floor.

    a. Calculate the flight time of the basketball.

    b. Calculate the horizontal distance traveled by the ball.

Answers in size order: 2.59, 26.2