

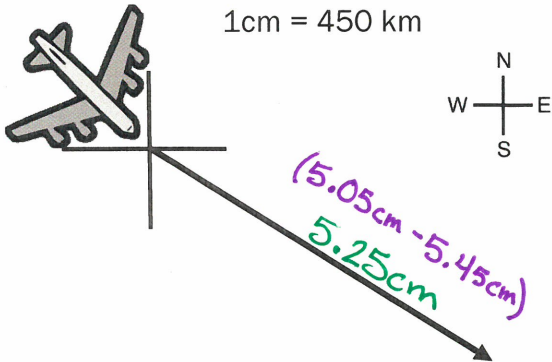
Name _____
 Honors Physics
 Period _____

Date _____
 Vectors/Projectiles WS #1H
 Mrs. Nadworny

(10 pts)

Measuring Vectors

Directions – Read textbook page 84. Measure the magnitude and direction of the following vectors using the given scales. Place your answers in the provided spaces.

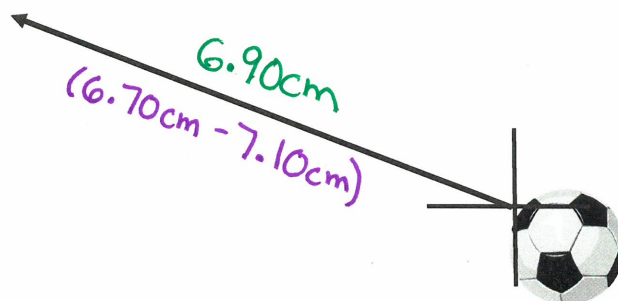
1.  1 cm = 450 km

$5.25 \text{ cm} \left(\frac{450 \text{ km}}{1 \text{ cm}} \right)$
 $= 2360 \text{ km}$
 $(2270 \text{ km} - 2450 \text{ km})$

d = 2360 km at 31.5 ° S of E
 $(29.5^\circ - 33.5^\circ)$

2. 1 cm = 5 m/s

$6.90 \text{ cm} \left(\frac{5 \text{ m/s}}{1 \text{ cm}} \right)$
 35 m/s
 $(34 \text{ m/s} - 36 \text{ m/s})$



$(157^\circ - 161^\circ)$
 v = 35 m/s at 159 °

OR 21.0° above
 left horizon