Name $\qquad$
Honors Physics
Period $\qquad$

Date $\qquad$
Vectors/Projectiles WS \#OH
Mrs. Nadworny

## Intro to 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. Draw the following family members with an appropriate height using a scale of $1 \mathrm{~cm}=2 \mathrm{ft}$.

|  |  |  |  |
| :---: | :---: | :---: | :---: |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
| Dad | Mom | Sister | Brother |
| $(6 \mathrm{ft})$ | $(5 \mathrm{ft})$ | $(3 \mathrm{ft})$ | Baby |

2. Measure angle theta to the nearest degree and all sides of the triangle to the nearest tenth of a centimeter.

$a=$ $\qquad$ cm
$\mathrm{b}=$ $\qquad$ cm
$\qquad$ cm
$\theta=$ $\qquad$ o
3. Label on the triangle above, the hypotenuse and the sides that are opposite and adjacent to angle theta.
4. Write three equations that are easily remembered by the acronym SOH CAH TOA.
