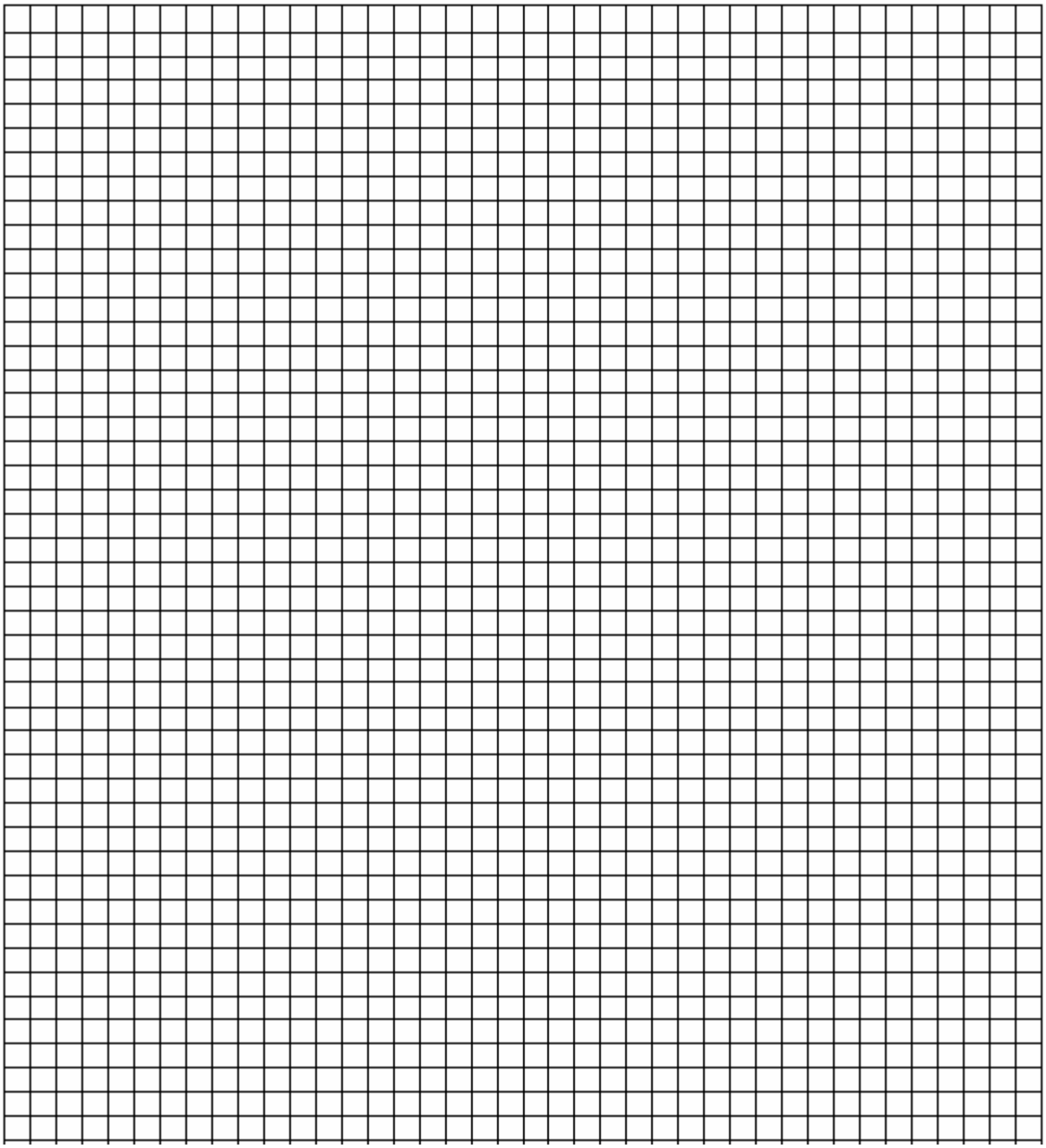
Name _____ Regents Physics

Graphical Vector Addition Lecture Example Problems

- A person walks 24.0 m north and 12.0 m east. Determine the position and magnitude of the resultant vector of this motion.
  - *First, make a scale for the vectors*
  - *Draw a coordinate axis*
  - *Draw and the label the vectors*
  - *Draw and measure the resultant vector!*



- A plane flies at 200.0 miles per hour north when it encounters a crosswind of 80.0 miles per hour from the west. Determine the position and magnitude of the resultant vector of this motion.

    - *First, make a scale for the vectors*
    - *Draw a coordinate axis*
    - *Draw and the label the vectors*
    - *Draw and measure the resultant vector!*