

Handwritten mathematical work on grid paper, featuring various trigonometric problems, vector calculations, and geometric diagrams. The work is organized into columns and rows, with problems numbered 1 through 197. Key elements include:

- Trigonometric Equations:** Problems involving solving for angles and sides in triangles, such as $\sin(195^\circ) = 150 \sin 15^\circ$ (197), $\cos(135^\circ) = \frac{\pi}{6} + \frac{\pi}{4}$ (196), and $\sin(195^\circ) = 150 \sin 15^\circ$ (195).
- Vector Calculations:** Problems involving vector addition, subtraction, and dot products, such as $\vec{v} = (5, 10)$ and $\vec{w} = (1, 2)$ (192), and $\vec{AB} = (9, -2)$ (194).
- Geometric Diagrams:** Several diagrams of triangles and quadrilaterals are drawn, often with labels for vertices (A, B, C, D, E) and sides. Some diagrams include height lines and right-angle symbols.
- Algebraic Manipulations:** Problems involving solving for variables like x and y , such as $x = 40.827190^\circ$ (190) and $x = 16.14$ (191).
- Calculus/Geometry:** Problems involving areas and perimeters, such as $\text{Area} = 10.10306$ (193) and $\text{Perimeter} = 11.3603055$ (194).

The work is dense and covers a wide range of topics in trigonometry and geometry.