

PHYSICS 1

STUDY GUIDE

FORMULA SHEETS, PRACTICE
PROBLEMS AND SOLUTIONS



$$R = \sqrt{A^2 + B^2 + 2AB\cos\theta}$$

$$\tan \alpha = \frac{B \sin \theta}{A + B \cos \theta}$$



$$v = \sqrt{v_x^2 + v_y^2}$$

$$\tan \theta = \frac{v_y}{v_x}$$



$$\vec{F}_x = \vec{F} \cos \theta$$

$$\vec{F}_y = \vec{F} \sin \theta$$



FOR ALGEBRA-BASED
COLLEGE & AP PHYSICS



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