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Projectile Motion $y(\text{final}) = 0y + v_{iy}t - \frac{1}{2}gt^2$ The Motion: $x = v_{ix}t$ $y = v_{iy}t - \frac{1}{2}gt^2$ $v_x = v_{ix}$ $v_y = v_{iy} - gt$ $v = \sqrt{v_x^2 + v_y^2}$ $\theta = \tan^{-1}(v_y/v_x)$ Write Down What You Know: Pick The Equations That Let You Solve The Problem

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Name: Practice Test: Vectors And Projectile Motion Part A ...Questions 12-16: A Football Player Kicks The Football With A Speed Of 30 M/s At An Angle Of 50 Degrees With The Horizontal. All Effects Due To Air Resistance Will Be Ignored. 12. Determine The Magnitude Of The Horizontal Component Of The Ball's Initial Velocity. 1th, 2024

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