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If, From Question #1, This Distance Is Covered In 0.55 S, What Is The Average Angular Velocity In Per Second? 28.56 Rad/s An Object Has A Centripetal Acceleration Of 5.6 M/s<sup>2</sup>. Determine The Angular Velocity Of This Radius Of The Circle Is 0.75 M. 2.73 Rad/s From The Previous Question, Determine The P Jun 2th, 2024

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This Problem Is A Combination Of A Rotational Kinematics Problem With A Projectile Motion Problem. In Both Type One Starts By Listing The Given And Requested Quantities. I J Rotation  $V_{0x} = 11.0 \text{ M/s} \cos(25) = 9.9694 \text{ M/s}$   $V_{0y} = 11.0 \text{ M/s} \sin(25) = 4.6$  Mar 1th, 2024

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To Find H, Choose The Kinematics Equation That Has  $\Delta y$  (h Is A Displacement) And The Known Quantities  $v_0$ ,  $v_{top}$ , And A, That Is . Upon Rearrangement, This Yields  $H = \Delta y = (v_0)^2/g = 7.34 \text{ m}$ . 6. A Ball Is Thrown Up Into The Air And Retu Feb 1th, 2024

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Physics 1100: 2D Kinematics Solutions 1. In The Diagrams Below, A Ball Is On A Flat Horizontal Surface. The Initial Velocity And Constant External Forces Acting On The Ball Are Indicated. Describe Qualitatively How Motion The Motion Of The Ball Will Change. First Determine The Direction Of The Net Force On The Ball. ... Mar 2th, 2024

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