



I-86

When throwing a 0.80 kg ball vertically upward, my hand moves through a distance of about 1.0 m before the ball leaves my hand. The ball leaves my hand at 35 m/s.

Motion Diagram Free-Body Diagrams

	Event 1:	Event 2:	Event 3:	
				<i>before ball leaves hand</i>
	$t_1 =$	$t_2 =$	$t_3 =$	
	$r_1 =$	$r_2 =$	$r_3 =$	
	$v_1 =$	$v_2 =$	$v_3 =$	
	$a_{12} =$	$a_{23} =$		<i>after ball leaves hand</i>
				

Mathematical Analysis

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