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- 1 Identify the relevant equations The book will provide the equations of motion for projectile motion considering only gravity
- 2 Apply the equations Use the equations to find the time of flight  $t$  and the horizontal distance  $R$  traveled
- 3 Solve for the range The range  $R$  is the horizontal distance traveled when the projectile hits the ground Substitute the value of  $t$  obtained in step 2 into the equation for horizontal distance to solve for  $R$  This is a simplified example Faires and Chambers covers far more complex scenarios and methods

**Key Points** Obtaining a copyrighted book through illegal means is unethical and potentially illegal Faires and Chambers Analytical Mechanics is a valuable resource for students studying classical mechanics Legitimate access methods include university libraries online booksellers and textbook rental services The book excels in clarity comprehensiveness and practical problemsolving approaches

**Frequently Asked Questions FAQs**

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