Physics Problem Solving Sheet

Problem

Useful Description

Picture & Given Information:



Question: how much V to hit the ship?

Target Quantiy:

Physics Approach

Physics Concepts and/or Principles:

Xis constant V y= freefali

Specific Application of Physics

Assumptions/ Constraints:

Specific Equations:

Jan. 765. Stence

Mathematical Procedures

Employ specific equations to solve for target quantity.

X: 1/4 = 1/4

$$V \times = \frac{300 \, \text{m}}{35} = 100 \, \text{m/s}$$

Check units & calculate