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Program: Computer Science

Year: 4th

Class: Computational problem solving 1

Section: CPET-121-04

Problem Set: #3

Exercise: Exercises 3.3; #7



h = (0.5 \* v2 \* sin2theta)/9.8

v2 = (5mi/h \* 1609m/mi \* 360s/h)2 = (22.35m/s)2

theta = 60o \* PI/180 = 1.047 radians

h = (0.5 \* 22.352 \* sin21.047)/9.8 = 19.1096 meters

