

Guidelines for the Homework Sets

Refer to this as you try to understand the language of the assignment.

Homework guidelines:

“Read” means start with headings, look at diagrams, figures and charts. Get the drift first, then skim or read the text. If you have trouble with CYU (Check Your Understanding), Concepts or Problems, re-read slowly and carefully.

“Review” means become familiar, be ready to discuss in the next class.

“Answer CYU” or “Answer Concept” means a short written answer. Complete sentences are not required, briefly state the concept or reasoning for your answer. If the answer is given in the back of book (bob), state what your first response was and whether you now understand the book answer.

“Do Problems” means complete the problem in detail. If you get stuck, you must complete as much as possible. List the variables, start a sketch, state what you tried or what you were thinking. Do not say “I don’t get it” and stop.

Note: format is important and required. Follow the **5 step process**, for example go to Pg 20, problem 12:

1. *list variables*
2. *state the exact question i.e. ‘how far’ or $x = ?$*
3. *draw a sketch (usually)*
4. *show formula (algebra, no numbers)*
5. *substitute variables and solve, always show units*

Pg 20 Prob. 12

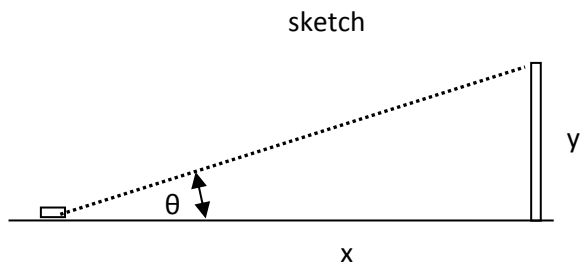
height of Arch: $y = 192 \text{ m}$

angle of line of sight: $\theta = 2^\circ$

how far from the base: $x = ?$

Formula: $\tan \theta = y / x$

Therefore: $x = y / \tan \theta$



Don’t start putting in numbers until the formula is ready to solve.

AP Physics Homework Set #10e-1

Due: One week before school starts

Chapter 1: Units, Trig, Vectors, Problem Solving

Summer Assignment: Must be complete and organized. If you cannot answer or solve, show your attempt and be ready to explain your thought process. Hand in to the office (or scan and e-mail to me) one week before school starts. dane.holland@dma.k12.de.us

Read: Sections 1.1 – 1.8 Pages 1-18

Study: Sections 1.6 – 1.8

Review: page 18 (get familiar with the format of the CONCEPT SUMMARY section)

Answer: “Check Your Understanding” CYU 1 – 17 on various pages, starting on page 4
(Notes: do these by section as you read. Answers are all in “back of book” (“bob”). Make note of your first thought and be ready to discuss.)

Answer Focus on Concepts: Pg 18-19 # 1, 5, 8, 11

Do Problems: Pg 20 #1, 2, 3, 6, 9, 12, 14, 15, 16, 17, 19, 23, 28, 34, 36, 46, 47, 49

Summer Assignment: teach yourself, use the textbook. If you are really stuck, write down what you tried for each problem. **Looking for a Google answer is a path to ruin.** Use the textbook.