

New Concepts

- Angles, Vertex
- Acute, Right, Obtuse
- Congruent Angles
- Adjacent Angles
- Angle Bisector

Problem Set #4

“Every child is an artist. The problem is how to remain an artist after he(she) grows up.”

- Pablo Picasso

New Postulates and Theorems

- Protractor Postulate
- Angle Addition Postulate (AAP)

Exercises:

p.21 #5-24, 28, 32-34

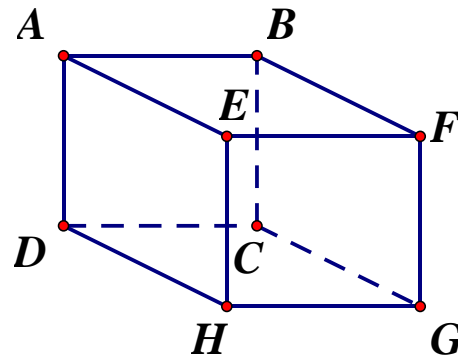
Problems:

4-1 p.22 #35

4-2 The Plane Game, Part II

Points A through H are non-coplanar vertices of a box.

What are all of the unique planes that can be defined by these vertices?



4-3 Pecan Street

All of the houses on my street decided to purchase new numbers for their address from the same store (Billy Bobb’s Hardware) to post on their front door. Assume that the addresses start with 1 Pecan St., 2 Pecan St., 3 Pecan St... and do not skip any integers. Also, assume that the houses visit the hardware store in increasing order. If Billy Bobb’s Hardware only has 100 of each digit available, which house will be the first not to be able to purchase all of its necessary digits?