Geometry

Chapter 1 Study Guide

* 1. Patterns and Inductive reasoning

Describing Patterns

Finding the pattern

Determining what comes next

Inductive Reasoning -

Conjecture Statement based on observed patterns

Counterexample

* 1. Points, Lines, and Planes

What are the undefined terms

Collinear

Coplanar

Segement

Endpoints

Ray

Initial point

Opposite rays

Drawing

Intersect or intersection

* 1. Segments and Their Measures

Length between points

Ruler Postulate

Segment Addition Postulate

Given that B is between A, C then

Distance formula

Congruent Segments

Two segments are congruent if they have the same distance

* 1. Angles and Their Measures

Naming Angles, vertex, sides

Protractor Ps

How to measure an angle

Angle Addition Postulate

If P is in the interior of RST, Then

Solving equations using angle addition

Classifying angles by measure

Acute Right Obtuse Straight

Adjacent Angles

* 1. Segment and Angle Bisector

Midpoint

Segment Bisector

Midpoint Formula

Finding Coordinates of a Midpoint

Finding Coordinates of an Endpoint

Angle Bisector

Equations with angle bisectors

Double or half angles

* 1. Angle Pair Relationships

Vertical Angles

All vertical angles are congruent

Linear Pair

Two angles that form a straight angle

Complimentary Angles

Add to 90. Equations on compliments

Supplementary Angles

Add to 180. Equations on Supplements

* 1. Introduction to Perimeter, Circumference, and Area

Square

Rectangle

Triangle

Circle

Finding Area of a Border = Total – Opening

Finding area in a coordinate plane