

## Geometry Unit 2- Objectives

Ketner

### I. - Naming Polygons

- Convex and non-convex
- Polygonal regions
- Most specific name of a polygon

### II. - Writing Conditionals

- Be able to identify the antecedent, consequent, an instance, a counterexample, and a converse.
- Be able to decide if a conditional is true or false.
- Definition of a circle and a midpoint.
- "If and only if".
- Make Conjectures

### III. - Union & Intersection

- State the union and intersection of two number sets.
- Symbols  $\cup$  &  $\cap$ .

### IV. - Triangle Inequality

### V. - Using the definition of Midpoint to solve problems

### VI. - Distributed Practice

- Objectives from Unit 1

## Geometry Unit 2- Assignments

| Assignment # | Section         | Objective  | Page and Problem #   | # of Probs.      | Due Date |
|--------------|-----------------|--|--|------------------|----------|
| 1            | 2.2             | Obj. II: Writing Conditionals<br>DP: Unit 1 Betweenness  | Pg 73 # 6-8,12-17,19-21<br>Pg 60 #40,41,48,49,54                             | 12<br>5          |          |
| 2            | 2.3             | Obj. II: Converses<br>DP: U1 Graph Linear & Quad<br>DP: Unit 1 Betweenness                             | LM 2-3 C   |                  |          |
| 3            | Midpoint        | Obj. V: Midpoint<br>DP: Obj. II Conditionals<br>DP: Unit 1 Graphing                                    | Midpoint Practice B  |                  |          |
| 4            | 2.5             | Obj. III: Unions & Int.<br>DP: Obj. II Conditionals<br>DP: Obj V Midpoint                              | Pg 91 # 6-9, 13-17<br>Pg 93 # 23, 24<br>Pg 85 #8, 16                         | 9<br>2<br>2      |          |
| 5            | 2.1<br>&<br>2.6 | Obj. I: Classifying Polygons<br>DP: Obj. III Unions & Int.<br>DP: Obj. II Conditionals                 | Pg 98 # 5,7,10-15,17-19<br>Pg 100 # 25<br>Pg 79 # 9,10,12,13                 | 11<br>1<br>4     |          |
| 6            | 2.7             | Obj. IV: Triangle Inequality<br>DP: Obj. II Conditionals<br>DP: Obj. I Polygons<br>PD: Obj. V Midpoint | Pg 105 # 7-11<br>Pg 106 # 20, 22<br>P.74 #23,24 P.93 #25,26<br>P.118 #19, 20 | 5<br>2<br>4<br>2 |          |
| 7            | 2.8             | Obj. II: Conjectures<br>DP: Obj. IV Triangle Ineq.<br>DP: Obj. III Unions & Int.                       | Pg 110 # 4-6, 10-13, 16-18<br>Pg 112 # 19,20<br>Pg 112 # 22 P.106 #21        | 10<br>2<br>2     |          |