Text: Geometry for Enjoyment and Challenge, McDougal

**Chapter 2: Basic Concepts and Proofs**

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| Nº | Date | Topic | Written Assignment |
|  | 3/10 – 3/14 | 2.1 – Perpendicularity  - coordinate geometry  - perpendicular  - x-axis  - y-axis  - coordinates  - origin | Definitions and Theorems for 2.2  p. 63 - 65, # 1b, 2b, 3b, 5, 10, 12, 14 |
|  | 3/10 – 3/14 | 2.2 – Complementary and Supplementary Angles  - complementary angles  - complement  - supplementary angles  - supplement | Definitions and Theorems for 2.3  p. 69 - 71, # 1, 2, 3, 11, 13**,** |
|  | 3/10 – 3/14 | 2.3 – Drawing Conclusions  - 5 steps of “procedure for drawing conclusions” | p. 63 - 65 #4, 8, 11;  p. 69 - 71 # 16, 17, 18, 21, 24 |
|  | 3/10 – 3/14 | QUIZ- 2.1 – 2 .2 | Theorems for 2.4 |
| **MCAS Week: 3/17 – 3/21**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | Monday | Tuesday | Wednesday | Thursday | Friday | | Normal Schedule | Normal Schedule | A, E, G, B, D, F | Normal Schedule | ~~F, G,~~ C, E, A, B  9th Grade late arrival | | | | |
|  | **3/17 – 3/21** |  |  |
|  | **3/17 – 3/21** | 2.4 – Congruent Supplements and Complements  - 4 Theorems | Theorems for 2.5  p. 69 - 71, # 22, 25  p. 79 - 81, # 1, 3, 9, 13, 15, 19 |
|  | **3/17 – 3/21** |  | p. 105 - 109, # 6, 7, 11, 13, 17, 27, 33 |
|  | **3/17 – 3/21** | 2.5 – Addition and Subtraction Properties  - 6 Theorems | Definitions and Theorems for 2.6  P. 87 - 88, # 6, 9, 14, 17 |
|  | 3/24 – 3/28 | 2.6 – Multiplication and Division Properties  - 2 Theorems | p. 87: 11, 12, 16,  p. 91: 1, 4–10 |
|  | 3/24 – 3/28 | QUIZ 2.4 – 2.6 | Definitions and Theorems for 2.7 |
|  | 3/24 – 3/28 | 2.7 – Transitive and Substitution Properties  - 2 Theorems | Definitions and Theorems for 2.8  p. 97 # 1-10,13, 14 |
|  | 3/24 – 3/28 | 2.8 – Vertical Angles  - opposite rays  - vertical angles  - 1 Theorem | p. 102 #1, 3- 8, 11, 12, 13, 15 |
|  | 3/31 – 4/4 | Review Ch 2 | p. 105: 4, 5, 11–18, 21, 22, 24, 28, 30, 32 |
|  | 3/31 – 4/4 | TEST Ch 2 | Definitions ,Theorems & **Postulates** for 3.1 |

**Date Due Assign Reading Written Assignment**

**3/21 Thurs 1. 2.1 Perpendicularity**

**p. 63: 1–12 – (3a= minutes/seconds, 4b is messy, #6,7 are proofs, 9 is weird… 10 is coordinates, 11 are ratio of angles, #12 they have to construct the picture)**

**What we did last year: 2.1 and 2.2 Same day- HW=** 63 - 65, # 1b, 3b, 5, 10, 12, 15; Pages 69 - 71, # 1, 2, 3, 11, 13

**3/22 Fri 2. 2.2 Complementary and Supplementary Angles**

**p. 69: 1–3, 5, 6, 8–13, 17–19**

**3/26 Tues 3. 2.3 Drawing Conclusions**

**p. 74: 5–11, 13, 14**

**3/27 Wed Review**

**Quiz 2.1-2.3**

**3/28 Thurs No assignment due**

**3/29 Fri 4. 2.4 Congruent Supplements and Complements**

**p. 79: 3–8, 10, 12, 14, 18**

**4/1 Mon p. 771 #1-45 odd**

**4/2 Tues 5. 2.5 Addition and Subtraction Properties**

**p. 86: 4–10**

**4/3 Wed 6. 2.6 Multiplication and Division Properties**

**p. 87: 11, 12, 16 p. 91: 1, 4–10**

# Quiz 2.4-2.6

**4/4 Thurs No assignment due**

**4/5 Fri 7. 2.7 Transitive and Substitution Properties**

**p. 93: 11, 12, 15 p. 97: 1–6, 9, 10, 12**

**4/9 Tues 8. 2.8 Vertical Angles**

**p. 102: 2–9, 12**

**4/10 Wed 9. REVIEW p. 105: 4, 5, 11–18, 21, 22, 24, 28, 30, 32**

**CHAPTER 2 TEST**