Algebraically Speaking…
McDougal Littell – Geometry
Spring Semester

Homework Assignments:

Chapter 7 – Right Triangles and Trigonometry:

_____ Lesson 7.1 – Apply the Pythagorean Theorem
        Problems: # 3, 5, 8, 9, 11, 15, 17 – 23 Odd;
                # 24, 25, 27, 29, 32, 35

_____ Lesson 7.2 – Use the Converse of the Pythagorean Theorem
        Problems: # 3 – 23 Odd; 24, 25, 27, 36, 37, 38, 40, 45

_____ Lesson 7.3 – Use Similar Right Triangles
        Problems: # 3, 6, 7, 9, 13 – 19 Odd; 20, 21 – 25 Odd;
                # 29, 30, 33

_____ Lesson 7.4 – Special Right Triangles
        Problems: # 3, 5, 6, 7, 8, 10, 11, 13, 15, 16,
                # 18, 19, 23, 25, 28, 31, 33

_____ Lesson 7.5 – Apply the Tangent Ratio
        Problems: # 3, 5, 6, 8, 9, 11, 12, 16, 17, 18,
                # 20, 21, 23, 24, 26, 27, 29, 30, 31, 33, 34

_____ Lesson 7.6 – Apply the Sine and Cosine Ratios
        Problems: # 3 – 15 Odd; 16, 18, 19 – 31 Odd;
                # 33, 36,

_____ Lesson 7.7 – Solve Right Triangles
        Problems: # 3, 5, 6, 8, 9, 11 – 15 Odd; 17, 18,
                # 21 – 25 Odd; 29, 31, 33, 34, 36, 38

_____ Chapter 7 Summary and Review
        Problems: ALL

Chapter 8 – Quadrilaterals:

_____ Lesson 8.1 – Find Angle Measures in Polygons
                    Problems: # 3 – 15 Odd; #18, 19, 21, 25, 26, 28, 30, 31

_____ Lesson 8.2 – Use Properties of Parallelograms
                    Problems: # 3 – 15 Odd; 16, # 17 – 29 Odd,
                            # 30, 31, 33, 34, 36, 39, 40,

_____ Lesson 8.3 – Show that a Quadrilateral is a Parallelogram
                    Problems: # 4, 5, 6, 9, 11, 13, 18, 19, 21, 25, 27,
                            # 31, 33, 39, 42

_____ Lesson 8.4 – Properties of Rhombuses, Rectangles, and Squares
                    ** Ponder Venn Diagram on page 534 **
                    Problems: # 3 – 17 Odd; 18 – 24 All; 26 – 29 All;
                            # 31 – 51 Odd; 54, 60

_____ Lesson 8.5 – Use Properties of Trapezoids and Kites
                    Problems: # 3 – 15 Odd; 16, 19 – 27 Odd;
                            # 30, 31, 32, 34, 36, 37, 41

_____ Lesson 8.6 – Identify Special Quadrilaterals
                    ** Study, Absorb, & Retain Diagram on page 552 **
                    Also, there's another really good one on p. 559 ☺ *Yippee!!!*
                    Problems: # 3 – 11 All; 13, 14 – 16 All; 18 – 20 All;
                            # 21, 23, 26, 27, 28, # 29 – 35 Odd;
                            # 36, 39
_____ Chapter 8 Summary and Review
                    Problems: ALL

Chapter 9 – Properties of Transformations:

_____ Lesson 9.1 – Translate Figures and Use Vectors:
> Problems: # 1-11 odd, 14-17 all, 19, 21, 25, 27, 28, 29,
> # 35, 36, 37, 43

_____ Lesson 9.2 – Use Properties of Matrices
> Problems: # 3, 5, 7-12 all, 13, 15, 17, 18-24 all, 27,
> # 31-34 all

_____ Lesson 9.3 – Perform Reflections
> Problems: # 3-11 odd, 12-15 all, 19, 22, 24, 27, 32

_____ Lesson 9.4 – Perform Rotations
> Problems: # 3-9 all, 12, 13, 15, 16, 17, 20, 21, 23,
> # 26-31 all,

_____ Lesson 9.5 – Apply Compositions of Transformations
> Problems: # 3-11 odd, 13-21 all, 23, 27, 29

_____ Lesson 9.6 – Identify Symmetry
> Problems: # 4, 6-14 all, 17-20 all, 24, 27-32 all,

_____ Lesson 9.7 – Identify and Perform Dilations,
> Problems: # 3, 4, 7, 9, 10, 11, 15, 16, 18, 20, 21, 22, 23,
> # 25, 26, 28, 33, 34, 36,

_____ Chapter 9 Summary and Review
> Problems: ALL

Chapter 10 – Properties of Circles:

_____ Lesson 10.1 – Use Properties of Tangents
>   Problems: # 3-10 all, 14-17 all, 21, 23, 25, 26, 27, 28, 30, 31,
>   # 32, 35, 37, 41

_____ Lesson 10.2 – Find Arc Measures
>   Problems: # 3-11 odd, 12, 13, 14, 16, 17, 20, 22, 23

_____ Lesson 10.3 – Apply Properties of Chords
>   Problems: # 3, 4, 5, 7, 9, 11, 12, 13, 14, 15, 18, 19, 20, 25, 27, 32

_____ Lesson 10.4 – Use Inscribed Angles and Polygons
>   Problems: # 3-8 all, 10, 12, 13, 15, 16, 17, 18, 20-25 all, 28

_____ Lesson 10.5 – Apply Other Angle Relationships in Circles
>   Problems: # 3-13 all, 16, 17, 18, 20, 22, 23, 25

_____ Lesson 10.6 – Find Segment Lengths in Circles
>   Problems: # 3-11 all, 13-18 all, 20, 25

_____ Lesson 10.7 – Write and Graph Equations of Circles
>   Problems: # 3-8 all, 9, 11, 13, 16, 17-25 odd, 26-34 all, 37

_____ Chapter 10 Summary and Review
>   Problems: ALL

Chapter 11 – Measuring Length and Area:

_____ Lesson 11.1 – Areas of Triangles and Parallelograms
                        Problems: # 3-8 all, 13, 15, 16, 17, 18, 19, 20, 22-27 all,
                                # 29, 30, 32, 33, 34, 36, 37, 38, 41

_____ Lesson 11.2 – Areas of Trapezoids, Rhombuses, and Kites
                        Problems: # 3, 4, 5, 7-12 all, 15-29 all, 32, 34, 35, 36

_____ Lesson 11.3 – Perimeter and Area of Similar Figures
                        Problems: # 3-8 all, 9, 11, 12, 13, 14, 16, 17, 19, 20, 21, 23,
                                # 26, 28, 31

_____ Lesson 11.4 – Circumference and Arc Length
                        Problems: # 3-13 all, 15-25 all, 27, 28, 29, 32

_____ Lesson 11.5 – Areas of Circles and Sectors
                        Problems: # 3, 4, 6, 7, 9, 11, 12, 14-33 all, 37, 38

_____ Lesson 11.6 – Areas of Regular Polygons
                        Problems: # 1-4 all, 6, 8, 10-16 all, 18-21 all, 23-29 all,
                                #31, 32, 33, 36, 37, 41

_____ Lesson 11.7 – Use Geometric Probability
                        Problems: # 3-6 all, 8, 9, 10, 12, 13, 14, 20-23 all, 27, 30, 31, 32

_____ Chapter 11 Summary and Review
                        Problems: ALL

<u>Chapter 12 – Surface Area and Volume of Solids:</u>

_____ Lesson 12.1 – Explore Solids
> Problems: # 3-8 all, 13, 15, 16, 17, 18, 19, 20, 22-27 all,
> # 29, 30, 32, 33, 34, 36, 37, 38, 41

_____ Lesson 12.2 – Surface Area of Prisms and Cylinders
> Problems: # 3-8 all, 9, 11, 13-20 all, 22, 23, 25, 28

_____ Lesson 12.3 – Surface Area of Pyramids and Cones
> Problems: # 3-8 all, 10-15 all, 17-25 all, 29, 30

_____ Lesson 12.4 – Volume of Prisms and Cylinders
> Problems: # 1, 3-12 all, 14-25 all, 28, 29

_____ Lesson 12.5 – Volume of Pyramids and Cones
> Problems: # 1, 3-8 all, 11-27 all, 30, 31, 32

_____ Lesson 12.6 – Surface Area and Volume of Spheres
> Problems: # 1, 3-9 all, 11-14 all, 16, 17, 19-28 all

_____ Lesson 12.7 – Explore Similar Solids
> Problems: # 3-10 all, 12-23 all, 25

_____ Chapter 12 Summary and Review
> Problems: ALL