

Geometry

Chapter 1 Essentials of Geometry

Date	Section Topic	Page and #	Worksheet/ Quiz
1. _____	1.1 Points, Lines, Planes	P5-8 #1-16 oral, 17-21, 27-37, 47-55, *43 (oral)	
2. _____	1.2 Segments & Congruency	P12-14 #6-11, 13-15 sketch, 16-18, *21-30	Practice 1.2B
3. _____	1.3(2) Midpoint & Distance Form	P19-22 #3-21(o), 25-39(o), 55-63(o), *41, 43, 50	Practice 1.3B
4. _____	1.4(2) Classify Angles	P29-32 #7-10, 15-23(o), 29-37(o), 65-69, *25, 27, 40, 41, 48	
5. _____	1.5 Angle Pair Relationships	P38-41 #3-33(o), 39-43(o), P41 #1-7	Practice 1.5B
6. _____	1.6 Classify Polygons	P44-47 #1-17(o), 28-30, *37	
7. _____	1.7 Perimeter, Circumference, Area	P52-55 #4-9, *16, *17, 27-29, 51, 52, *19, 30, 32	P56 #1-6, *7 Practice 1.7B #1-27 (o)
8. _____	Review	P60-63 #1-40 P64 *#1-21 (o)	Quiz 3
9. _____	Chapter 1 Test		Test

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FORMULAS

1. Distance formula. $d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$
2. Midpoint formula $\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$

3. Perimeter of a polygon $P = \sum \text{sides}$

4. Perimeter of a regular polygon $P = ns$

5. Circumference of a circle $C = 2\pi r$

6. Area of a square $A = s^2$

7. Area of a rectangle $A = bh$

8. Area of a triangle $A = \frac{1}{2}bh$

9. Area of a circle $A = \pi r^2$

10. SLOPE OF A LINE? $M = \frac{y_2 - y_1}{x_2 - x_1}$

11. SLOPE-INTERCEPT FORM = $y = mx + b$