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Daily Course Lesson Plan

On the pages that follow is a daily lesson guide for you and your student to follow in order to stay on track with Thinkwell's Geometry coursework.

Under each week's header you'll see which chapters are covered along with each day's assignments for that week. The duration for each topic's video lesson is also noted. Feel free to work as quickly or as slowly through the content as is appropriate for your student's learning style.

We suggest printing this daily lesson plan and keeping it handy. Please let us know if you have any questions about the content here. Email us at support@thinkwell.com.

Welcome to Thinkwell's Homeschool Geometry!

Thank you for making us part of your homeschool curriculum. This 36-week daily lesson plan is meant to be a guide for you and your homeschool student. Feel free to modify this plan to suit your individual needs.

As described below, each day your student will study a different topic and all the materials associated with that topic, such as video lectures, exercises, and worksheets. Expect to spend about an hour to an hour and a half per day on the content suggested here.

If you follow our day-by-day schedule, you'll complete the full curriculum for the course in 36 weeks. Please let us know if we can assist you with any of the material here. We're happy to be your partner in thinking well.

Suggested Weekly Pacing Guide:

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Week 1	Algebra Review
Week 2	1.1 Points, Lines, Planes, and Angles
Week 3	1.1 Points, Lines, Planes, and Angles (Cont.)
Week 4	1.2 Coordinate and Transformation Tools
Week 5	1.2 Coordinate and Transformation Tools (Cont.) Test – 1.1 & 1.2 2.1 Inductive and Deductive Reasoning
Week 6	2.1 Inductive and Deductive Reasoning (Cont.)
Week 7	2.1 Inductive and Deductive Reasoning (Cont.) 🔷 2.2 Mathematical Proof
Week 8	2.2 Mathematical Proof (Cont.)
Week 9	2.2 Mathematical Proof (Cont.) Test – 2.1 & 2.2 3.1 Lines with Transversals
Week 10	3.1 Lines with Transversals (Cont.)
Week 11	3.2 Slope and the Equation of a Line
Week 12	3.2 Slope and the Equation of a Line (Cont.)
Week 13	Test – 3.1 & 3.2 🔷 4.1 Triangles and Congruence
Week 14	4.1 Triangles and Congruence (Cont.) 🔷 4.2 Proving Triangle Congruence
Week 15	4.2 Proving Triangle Congruence (Cont.)
Week 16	4.2 Proving Triangle Congruence (Cont.)

Week 17	4.2 Proving Triangle Congruence (Cont.) Test – 4.1 & 4.2 Exam – Modules 1-17
Week 18	5.1 Segments in Triangles
Week 19	5.1 Segments in Triangles (Cont.) 🔷 5.2 Relationships in Triangles
Week 20	5.2 Relationships in Triangles (Cont.)
Week 21	Test – 5.1 & 5.2 🔷 6.1 Polygons and Parallelograms
Week 22	6.1 Polygons and Parallelograms (Cont.)
Week 23	6.2 Other Special Quadrilaterals
Week 24	6.2 Other Special Quadrilaterals (Cont.) Test – 6.1 & 6.2 7.1 Similarity Relationships
Week 25	7.1 Similarity Relationships (Cont.)
Week 26	7.1 Similarity Relationships (Cont.) 🔷 8.1 Trigonometric Ratios
Week 27	8.1 Trigonometric Ratios (Cont.)
Week 28	Test − 7.1 & 8.1 ◆ 9.1 Developing Geometric Formulas
Week 29	9.1 Developing Geometric Formulas (Cont.) 🔷 10.1 Surface Area and Volume
Week 30	10.1 Surface Area and Volume (Cont.)
Week 31	Test – 9.1 & 10.1 🔷 11.1 Lines and Arcs in Circles
Week 32	11.1 Lines and Arcs in Circles (Cont.) 🔷 11.2 Angles and Segments in Circles
Week 33	11.2 Angles and Segments in Circles (Cont.)
Week 34	11.2 Angles and Segments in Circles (Cont.) • 12.1 Congruence Transformations
Week 35	12.1 Congruence Transformations (Cont.)
Week 36	Test – 11.1, 11.2, & 12.1 🔷 Exam – Modules 19-35

Suggested Daily Pacing Guide:

Week 1 Algebra Review

Assignments	Notes
Week 1, Day 1 ■ Diagnostic Test	
Week 1, Day 2 ■ Review as needed	
Week 1, Day 3 ■ Review as needed	
Week 1, Day 4 ■ Review as needed	
Week 1, Day 5 ■ Review as needed	

Week 2 1.1 Points, Lines, Planes, and Angles

Assignments	Notes
Week 2, Day 1	
1.1.1 Understanding Points, Lines, and Planes (8:27), day 1	
Week 2, Day 2 ☐ 1.1.1 Understanding Points, Lines, and Planes (8:27), day 2	
Week 2, Day 3 ■ 1.1.2 Measuring and Constructing Segments (14:12), day 1	
Week 2, Day 4 ■ 1.1.2 Measuring and Constructing Segments (14:12), day 2	
Week 2, Day 5 ■ 1.1.3 Measuring and Constructing Angles (13:44), day 1	

Week 3 1.1 Points, Lines, Planes, and Angles (Cont.)

Assignments	Notes
Week 3, Day 1 1.1.3 Measuring and Constructing Angles (13:44), dαy 2	
<u>Week 3, Day 2</u> ■ 1.1.4 Pairs of Angles (11:59), <i>dαy 1</i>	
Week 3, Day 3 ■ 1.1.4 Pairs of Angles (11:59), day 2	
Week 3, Day 4 ■ 1.1 Review Worksheet: Points, Lines, Planes, and Angles	
Week 3, Day 5 ☐ Quiz - 1.1	Score:

Week 4 1.2 Coordinate and Transformation Tools

Assignments	Notes
Week 4, Day 1 1.2.1 Using Formulas in Geometry (7:11)	
Week 4, Day 2 1.2.2 Midpoint and Distance in the Coordinate Plane (16:20), day 1	
Week 4, Day 3 1.2.2 Midpoint and Distance in the Coordinate Plane (16:20), day 2	
Week 4, Day 4 1.2.3 Transformations in the Coordinate Plane (10:57), day 1	
Week 4, Day 5 1.2.3 Transformations in the Coordinate Plane (10:57), day 2	

Week 5 1.2 Coordinate and Transformation Tools (Cont.) ◆ Test – 1.1 & 1.2 ◆ 2.1 Inductive and Deductive Reasoning

Assignments	Notes
Week 5, Day 1 ☐ 1.2 Review Worksheet: Coordinate and Transformation Tools	
Week 5, Day 2 ☐ Quiz – 1.2	Score:
Week 5, Day 3 ☐ Practice Test – 1.1 & 1.2	
Week 5, Day 4 ☐ Test - 1.1 & 1.2	Score:
<u>Week 5, Day 5</u> ■ 2.1.1 Using Inductive Reasoning to Make Conjectures (11:48), day 1	

Week 6 2.1 Inductive and Deductive Reasoning (Cont.)

Assignments	Notes
Week 6, Day 1 2.1.1 Using Inductive Reasoning to Make Conjectures (11:48), dαy 2	
Week 6, Day 2 ☐ 2.1.2 Conditional Statements (9:33), day 1	
Week 6, Day 3 2.1.2 Conditional Statements (9:33), day 2	
Week 6, Day 4 ☐ 2.1.3 Using Deductive Reasoning to Verify Conjectures (12:49), day 1	
Week 6, Day 5 ■ 2.1.3 Using Deductive Reasoning to Verify Conjectures (12:49), day 2	

Assignments	Notes
Week 7, Day 1 ■ 2.1.4 Biconditional Statements and Definitions (7:52), day 1	
Week 7, Day 2 ■ 2.1.4 Biconditional Statements and Definitions (7:52), day 2	
Week 7, Day 3 ■ 2.1 Review Worksheet: Inductive and Deductive Reasoning	
Week 7, Day 4 ☐ Quiz - 2.1	Score:
<u>Week 7, Day 5</u> ■ 2.2.1 Algebraic Proof (9:03), <i>dαy 1</i>	

Week 8 2.2 Mathematical Proof (Cont.)

Assignments	Notes
<u>Week 8, Day 1</u> ■ 2.2.1 Algebraic Proof (9:03), <i>dαy 2</i>	
Week 8, Day 2 ■ 2.2.2 Geometric Proof (10:05)	
Week 8, Day 3 2.2.3 Flowchart and Paragraph Proofs (13:20), dαy 1	
Week 8, Day 4 2.2.3 Flowchart and Paragraph Proofs (13:20), dαy 2	
Week 8, Day 5 ■ 2.2 Review Worksheet: Mathematical Proof	

Week 9 2.2 Mathematical Proof (Cont.) ◆ Test – 2.1 & 2.2 ◆ 3.1 Lines with Transversals

Assignments	Notes
Week 9, Day 1	
Quiz – 2.2	Score:
Week 9, Day 2	
Practice Test – 2.1 & 2.2	
Week 9, Day 3	
■ Test – 2.1 & 2.2	Score:
Week 9, Day 4	
3.1.1 Planes, Lines, and Angles (14:31)	
Week 9, Day 5	
3.1.2 Angles, Parallel Lines, and Transversals (16:39)	

Week 10 3.1 Lines with Transversals (Cont.)

Assignments	Notes
Week 10, Day 1 ☐ 3.1.3 Proving that Lines are Parallel (15:37), day 1	
Week 10, Day 2 ☐ 3.1.3 Proving that Lines are Parallel (15:37), day 2	
Week 10, Day 3 3.1.4 Properties of Perpendicular Lines (13:59)	
Week 10, Day 4 ☐ 3.1 Review Worksheet: Lines with Transversals	
Week 10, Day 5 ☐ Quiz - 3.1	Score:

Week 11 3.2 Slope and the Equation of a Line

Assignments	Notes
Week 11, Day 1 ☐ 3.2.1 Finding the Slope Given Two Points (9:45)	
<u>Week 11, Day 2</u> ■ 3.2.2 Slope-Intercept Form (18:41), dαy 1	
<u>Week 11, Day 3</u> ■ 3.2.2 Slope-Intercept Form (18:41), day 2	
<u>Week 11, Day 4</u> ■ 3.2.3 Point-Slope Form (25:53), dαy 1	
<u>Week 11, Day 5</u> ■ 3.2.3 Point-Slope Form (25:53), <i>dαy 2</i>	

Week 12 3.2 Slope and the Equation of a Line (Cont.)

Assignments	Notes
Week 12, Day 1 ☐ 3.2.4 Slopes of Parallel and Perpendicular Lines (15:00), day 1	
Week 12, Day 2 ☐ 3.2.4 Slopes of Parallel and Perpendicular Lines (15:00), dαy 2	
Week 12, Day 3 3.2 Review Worksheet: Slope and the Equation of a Line	
Week 12, Day 4 ☐ Quiz – 3.2	Score:
Week 12, Day 5 ☐ Practice Test – 3.1 & 3.2	

Week 13 Test − 3.1 & 3.2 ◆ 4.1 Triangles and Congruence

Assignments	Notes
Week 13, Day 1 ■ Test - 3.1 & 3.2	Score:
Week 13, Day 2 ■ 4.1.1 Classifying Triangles (8:51), dαy 1	
Week 13, Day 3 ■ 4.1.1 Classifying Triangles (8:51), dαy 2	
Week 13, Day 4 ■ 4.1.2 Angle Relationships in Triangles (12:06), day 1	
Week 13, Day 5 ■ 4.1.2 Angle Relationships in Triangles (12:06), day 2	

Week 14 4.1 Triangles and Congruence (Cont.) ◆ 4.2 Proving Triangle Congruence

Assignments	Notes
Week 14, Day 1	
4.1.3 Congruent Triangles (15:28), dαy 1	
<u>Week 14, Day 2</u>	
Week 14, Day 3 ■ 4.1 Review Worksheet: Triangles and Congruence	
Week 14, Day 4 ☐ Quiz - 4.1	Score:
Week 14, Day 5 4.2.1 Triangle Congruence: SSS and SAS (10:11), dαy 1	

Week 15 4.2 Proving Triangle Congruence (Cont.)

Assignments	Notes
Week 15, Day 1 4.2.1 Triangle Congruence: SSS and SAS (10:11), dαy 2	
Week 15, Day 2 ■ 4.2.2 Triangle Congruence: ASA, AAS, and HL (9:30), day 1	
Week 15, Day 3 ■ 4.2.2 Triangle Congruence: ASA, AAS, and HL (9:30), dαy 2	
Week 15, Day 4 ■ 4.2.3 Triangle Congruence: CPCTC (14:28), day 1	
Week 15, Day 5 ■ 4.2.3 Triangle Congruence: CPCTC (14:28), dαy 2	

Week 16 4.2 Proving Triangle Congruence (Cont.)

Assignments	Notes
Week 16, Day 1 4.2.4 Introduction to Coordinate Proof (18:22), dαy 1	
Week 16, Day 2 4.2.4 Introduction to Coordinate Proof (18:22), dαy 2	
Week 16, Day 3 ■ 4.2.5 Isosceles and Equilateral Triangles (15:17), day 1	
Week 16, Day 4 ■ 4.2.5 Isosceles and Equilateral Triangles (15:17), day 2	
Week 16, Day 5 ■ 4.2 Review Worksheet: Proving Triangle Congruence	

Week 17 4.2 Proving Triangle Congruence (Cont.) ◆ Test – 4.1 & 4.2 ◆ Exam – Modules 1-17

Assignments	Notes
Week 17, Day 1 ☐ Quiz - 4.2	Score:
Week 17, Day 2 ☐ Practice Test – 4.1 & 4.2	
Week 17, Day 3 ☐ Test - 4.1 & 4.2	Score:
Week 17, Day 4 ☐ Practice Exam – Modules 1-17	
Week 17, Day 5 ■ Exam – Modules 1-17	Score:

Week 18 5.1 Segments in Triangles

Assignments	Notes
Week 18, Day 1 ■ 5.1.1 Perpendicular and Angle Bisector Theorems (22:59), day 1	
Week 18, Day 2 ■ 5.1.1 Perpendicular and Angle Bisector Theorems (22:59), day 2	
Week 18, Day 3 ■ 5.1.2 Medians, Altitudes, and Midsegments in Triangles (19:53), dαy 1	
Week 18, Day 4 ■ 5.1.2 Medians, Altitudes, and Midsegments in Triangles (19:53), dαy 2	
Week 18, Day 5 ■ 5.1 Review Worksheet: Segments in Triangles	

Week 19 5.1 Segments in Triangles (Cont.) ◆ 5.2 Relationships in Triangles

Assignments	Notes
Week 19, Day 1 ☐ Quiz - 5.1	Score:
Week 19, Day 2 ■ 5.2.1 Indirect Proof and Inequalities in One Triangle (18:52), day 1	
Week 19, Day 3 ■ 5.2.1 Indirect Proof and Inequalities in One Triangle (18:52), day 2	
Week 19, Day 4 ☐ 5.2.2 Inequalities in Two Triangles (11:15)	
Week 19, Day 5 ■ 5.2.3 The Pythagorean Theorem (13:44), dαy 1	

Week 20 5.2 Relationships in Triangles (Cont.)

Assignments	Notes
Week 20, Day 1 ☐ 5.2.3 The Pythagorean Theorem (13:44), day 2	
Week 20, Day 2 ■ 5.2.4 Applying Special Right Triangles (13:27), day 1	
Week 20, Day 3 ☐ 5.2.4 Applying Special Right Triangles (13:27), day 2	
Week 20, Day 4 ■ 5.2 Review Worksheet: Relationships in Triangles	
Week 20, Day 5 ☐ Quiz - 5.2	Score:

Week 21 Test − 5.1 & 5.2 ◆ 6.1 Polygons and Parallelograms

Assignments	Notes
Week 21, Day 1 ☐ Practice Test – 5.1 & 5.2	
Week 21, Day 2 ☐ Test - 5.1 & 5.2	Score:
Week 21, Day 3 ☐ 6.1.1 Properties and Attributes of Polygons (18:45), day 1	
Week 21, Day 4 ☐ 6.1.1 Properties and Attributes of Polygons (18:45), day 2	
Week 21, Day 5 ☐ 6.1.2 Properties of Parallelograms (17:16), day 1	

Week 22 6.1 Polygons and Parallelograms (Cont.)

Assignments	Notes
Week 22, Day 1 ☐ 6.1.2 Properties of Parallelograms (17:16), day 2	
Week 22, Day 2 ☐ 6.1.3 Conditions for Parallelograms (12:37), dαy 1	
Week 22, Day 3 ☐ 6.1.3 Conditions for Parallelograms (12:37), dαy 2	
Week 22, Day 4 ☐ 6.1 Review Worksheet: Polygons and Parallelograms	
Week 22, Day 5 ☐ Quiz - 6.1	Score:

Week 23 6.2 Other Special Quadrilaterals

Assignments	Notes
Week 23, Day 1 ☐ 6.2.1 Properties of Special Parallelograms (18:23), dαy 1	
Week 23, Day 2 6.2.1 Properties of Special Parallelograms (18:23), dαy 2	
Week 23, Day 3 ☐ 6.2.2 Conditions for Special Parallelograms (11:41)	
Week 23, Day 4 ☐ 6.2.3 Properties of Kites and Trapezoids (17:21), day 1	
Week 23, Day 5 ☐ 6.2.3 Properties of Kites and Trapezoids (17:21), day 2	

Week 24 6.2 Other Special Quadrilaterals (Cont.) ◆ Test – 6.1 & 6.2 ◆ 7.1 Similarity Relationships

Assignments	Notes
Week 24, Day 1 ☐ 6.2 Review Worksheet: Other Special Quadrilaterals	
Week 24, Day 2 ☐ Quiz - 6.2	Score:
Week 24, Day 3 Practice Test – 6.1 & 6.2	
Week 24, Day 4 ☐ Test - 6.1 & 6.2	Score:
<u>Week 24, Day 5</u> ☐ 7.1.1 Ratio and Proportion (11:51), dαy 1	

Week 25 7.1 Similarity Relationships (Cont.)

Assignments	Notes
Week 25, Day 1 ☐ 7.1.1 Ratio and Proportion (11:51), day 2	
Week 25, Day 2 ☐ 7.1.2 Ratios in Similar Polygons (10:24)	
Week 25, Day 3 ☐ 7.1.3 Triangle Similarity: AA, SSS, and SAS (22:52), dαy 1	
Week 25, Day 4 7.1.3 Triangle Similarity: AA, SSS, and SAS (22:52), dαy 2	
Week 25, Day 5 ☐ 7.1 Review Worksheet: Similarity Relationships	

Week 26 7.1 Similarity Relationships (Cont.) ◆ 8.1 Trigonometric Ratios

Assignments	Notes
Week 26, Day 1 ☐ Quiz - 7.1	Score:
Week 26, Day 2 ■ 8.1.1 Similarity in Right Triangles (17:50), dαy 1	
Week 26, Day 3 ■ 8.1.1 Similarity in Right Triangles (17:50), dαy 2	
Week 26, Day 4 ■ 8.1.2 Trigonometric Ratios (17:28), dαy 1	
Week 26, Day 5 ■ 8.1.2 Trigonometric Ratios (17:28), dαy 2	

Week 27 8.1 Trigonometric Ratios (Cont.)

Assignments	Notes
Week 27, Day 1 ■ 8.1.3 Solving Right Triangles (15:28), day 1	
Week 27, Day 2 ■ 8.1.3 Solving Right Triangles (15:28), day 2	
Week 27, Day 3 ■ 8.1 Review Worksheet: Trigonometric Ratios	
Week 27, Day 4 ■ Quiz – 8.1	Score:
<u>Week 27, Day 5</u> ■ Practice Test – 7.1 & 8.1	

Week 28 Test − 7.1 & 8.1 ◆ 9.1 Developing Geometric Formulas

Assignments	Notes
Week 28, Day 1 ■ Test - 7.1 & 8.1	Score:
Week 28, Day 2 ■ 9.1.1 Developing Formulas for Triangles and Quadrilaterals (24:45), dαy 1	
Week 28, Day 3 ■ 9.1.1 Developing Formulas for Triangles and Quadrilaterals (24:45), dαy 2	
Week 28, Day 4 ■ 9.1.2 Developing Formulas for Circles and Regular Polygons (17:20), day 1	
Week 28, Day 5 ■ 9.1.2 Developing Formulas for Circles and Regular Polygons (17:20), day 2	

Week 29 9.1 Developing Geometric Formulas (Cont.) 10.1 Surface Area and Volume

Assignments	Notes
Week 29, Day 1 ☐ 9.1 Review Worksheet: Developing Geometric Formulas	
Week 29, Day 2 ☐ Quiz - 9.1	Score:
Week 29, Day 3 ■ 10.1.1 Surface Area of Prisms and Cylinders (23:17), day 1	
Week 29, Day 4 ■ 10.1.1 Surface Area of Prisms and Cylinders (23:17), day 2	
Week 29, Day 5 ■ 10.1.2 Surface Area of Pyramids and Cones (25:10), day 1	

Week 30 10.1 Surface Area and Volume (Cont.)

Assignments	Notes
Week 30, Day 1 ■ 10.1.2 Surface Area of Pyramids and Cones (25:10), day 2	
Week 30, Day 2 ■ 10.1.3 Volume of Prisms and Cylinders (21:21), day 1	
Week 30, Day 3 ■ 10.1.3 Volume of Prisms and Cylinders (21:21), day 2	
Week 30, Day 4 ■ 10.1 Review Worksheet: Surface Area and Volume	
Week 30, Day 5 Quiz − 10.1	Score:

Week 31 Test − 9.1 & 10.1 ◆ 11.1 Lines and Arcs in Circles

Assignments	Notes
<u>Week 31, Day 1</u> ☐ Practice Test – 9.1 & 10.1	
Week 31, Day 2 ☐ Test - 9.1 & 10.1	Score:
Week 31, Day 3 ☐ 11.1.1 Lines That Intersect Circles (15:08), day 1	
Week 31, Day 4 ☐ 11.1.1 Lines That Intersect Circles (15:08), day 2	
<u>Week 31, Day 5</u> ■ 11.1.2 Arcs and Chords (15:22), dαy 1	

Week 32 11.1 Lines and Arcs in Circles (Cont.) 11.2 Angles and Segments in Circles

Assignments	Notes
Week 32, Day 1 11.1.2 Arcs and Chords (15:22), dαy 2	
Week 32, Day 2 ■ 11.1 Review Worksheet: Lines and Arcs in Circles	
Week 32, Day 3 ☐ Quiz – 11.1	Score:
<u>Week 32, Day 4</u> ☐ 11.2.1 Inscribed Angles (19:12), day 1	
Week 32, Day 5 ■ 11.2.1 Inscribed Angles (19:12), day 2	

Week 33 11.2 Angles and Segments in Circles (Cont.)

Assignments	Notes
Week 33, Day 1 ■ 11.2.2 Angle Relationships in Circles (15:23), day 1	
Week 33, Day 2 ■ 11.2.2 Angle Relationships in Circles (15:23), day 2	
Week 33, Day 3 ☐ 11.2.3 Segment Relationships in Circles (11:22), day 1	
Week 33, Day 4 ■ 11.2.3 Segment Relationships in Circles (11:22), day 2	
Week 33, Day 5 ☐ 11.2 Review Worksheet: Angles and Segments in Circles	

Week 34 11.2 Angles and Segments in Circles (Cont.) • 12.1 Congruence Transformations

Assignments	Notes
Week 34, Day 1 ☐ Quiz – 11.2	Score:
Week 34, Day 2 ■ 12.1.1 Reflections (13:44), day 1	
Week 34, Day 3 ■ 12.1.1 Reflections (13:44), day 2	
<u>Week 34, Day 4</u> ■ 12.1.2 Translations (9:01), dαy 1	
Week 34, Day 5 ■ 12.1.2 Translations (9:01), day 2	

Week 35 12.1 Congruence Transformations (Cont.)

Assignments	Notes
Week 35, Day 1 ■ 12.1.3 Rotations (15:46), day 1	
Week 35, Day 2 ■ 12.1.3 Rotations (15:46), day 2	
Week 35, Day 3 ■ 12.1 Review Worksheet: Congruence Transformations	
Week 35, Day 4 ☐ Quiz – 12.1	Score:
Week 35, Day 5 ■ Practice Test – 11.1, 11.2, & 12.1	

Week 36 Test – 11.1, 11.2, & 12.1 Exam – Modules 19-35

Assignments	Notes
Week 36, Day 1	
■ Test – 11.1, 11.2, & 12.1	Score:
<u>Week 36, Day 2</u> ☐ Practice Exam – Modules 19-35, dαy 1	
Week 36, Day 3 ☐ Practice Exam – Modules 19-35, dαy 2	
Week 36, Day 4 ☐ Practice Exam – Modules 19-35, dαy 3	
Week 36, Day 5 ■ Exam – Modules 19-35	Score: