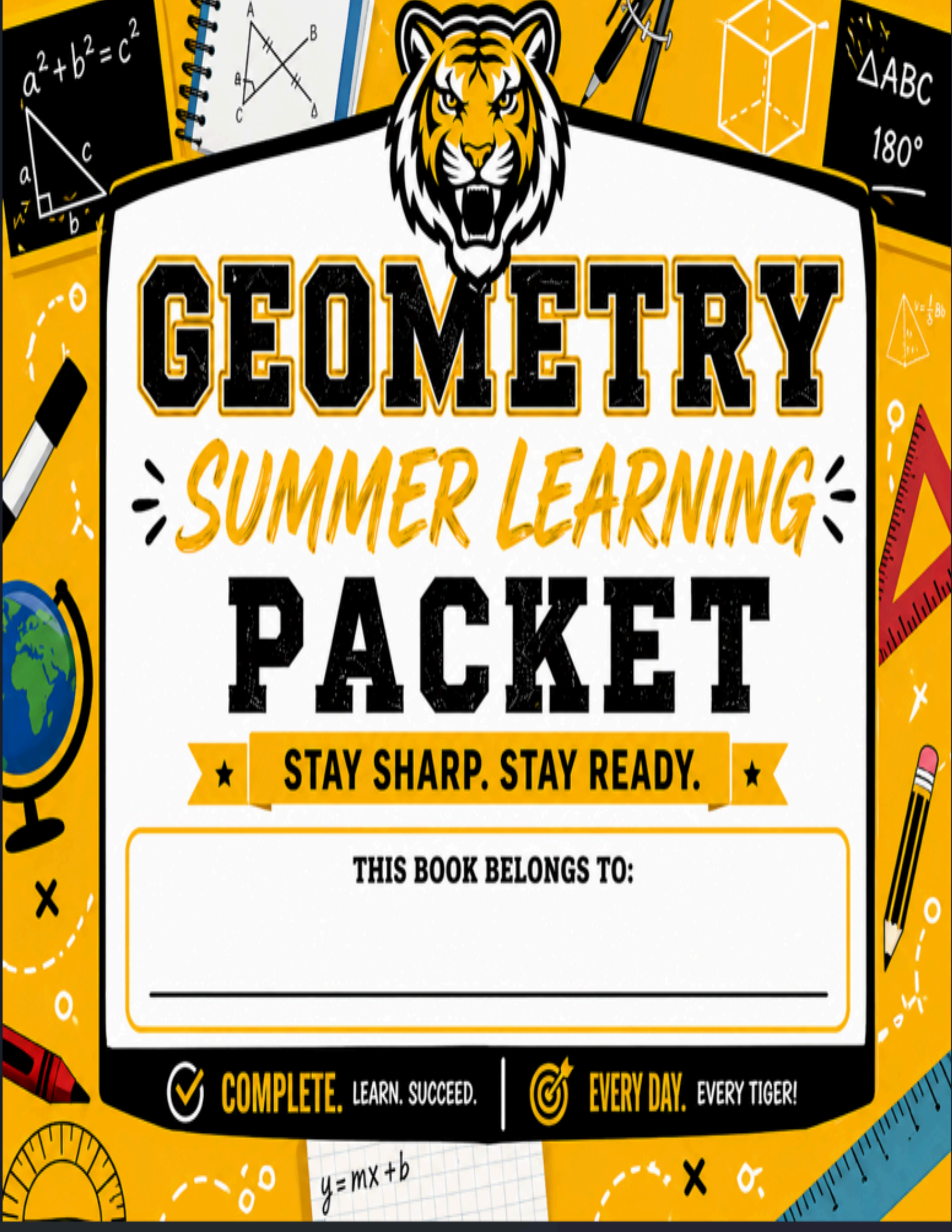

GEOMETRY
SUMMER LEARNING
PACKET
STAY SHARP. STAY READY.
THIS BOOK BELONGS TO:
COMPLETE. LEARN. SUCCEED.
EVERY DAY. EVERY TIGER!
$a^2+b^2=c^2$
$\triangle ABC$
$180°$
$y=mx+b$

Geometry Learning Packet Overview

For Rising 10th Grade Students

Welcome to your sophomore year at Marion P. Thomas Charter School! This summer packet is designed to help you review and strengthen the key prerequisite skills needed for success in Honors Geometry. Completing this work will help you start the school year confident and prepared for the challenges ahead.

How to Complete the Packet:

Each page of this packet focuses on a specific topic. At the top of each page, you will find the title of a corresponding Edpuzzle video. As you work through each section, you must watch and complete the Edpuzzle video while completing the notes/scrap paper section.

Grading:

You will receive two assessment grades for this assignment: one grade for your notes/scrap paper and one grade for your Edpuzzle score based on the multiple-choice questions. Both your completed Edpuzzles and your physical packet will count toward your first assessment grades in Geometry.

Expectations:

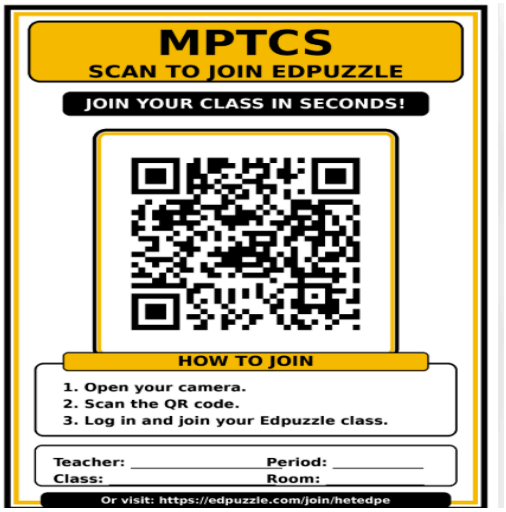
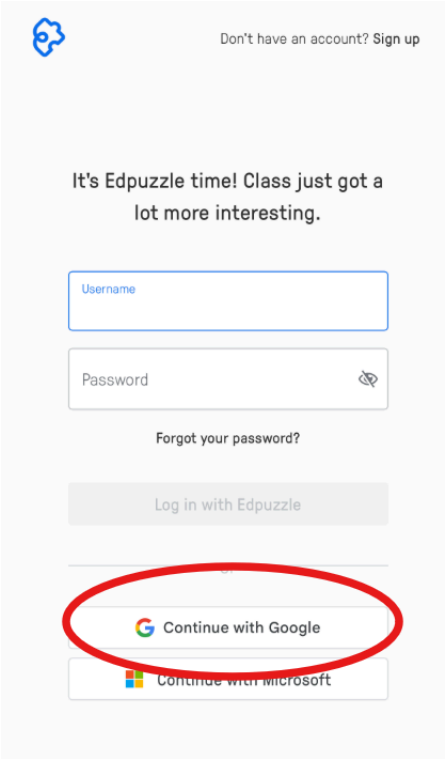
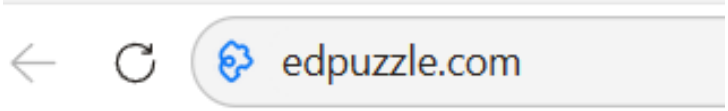
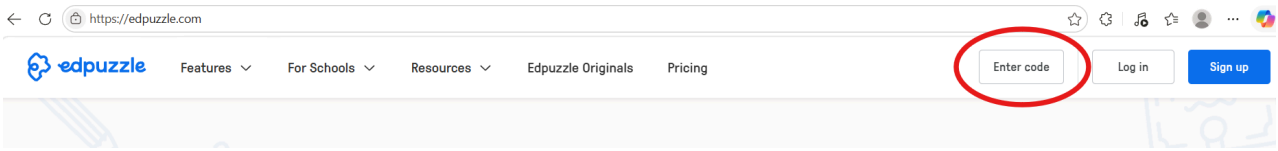
Answer all questions thoroughly. Show all work in the space provided in your packet. Stay organized and pace yourself throughout the summer. Complete all sections before the first day of school.

Submission & Deadline:

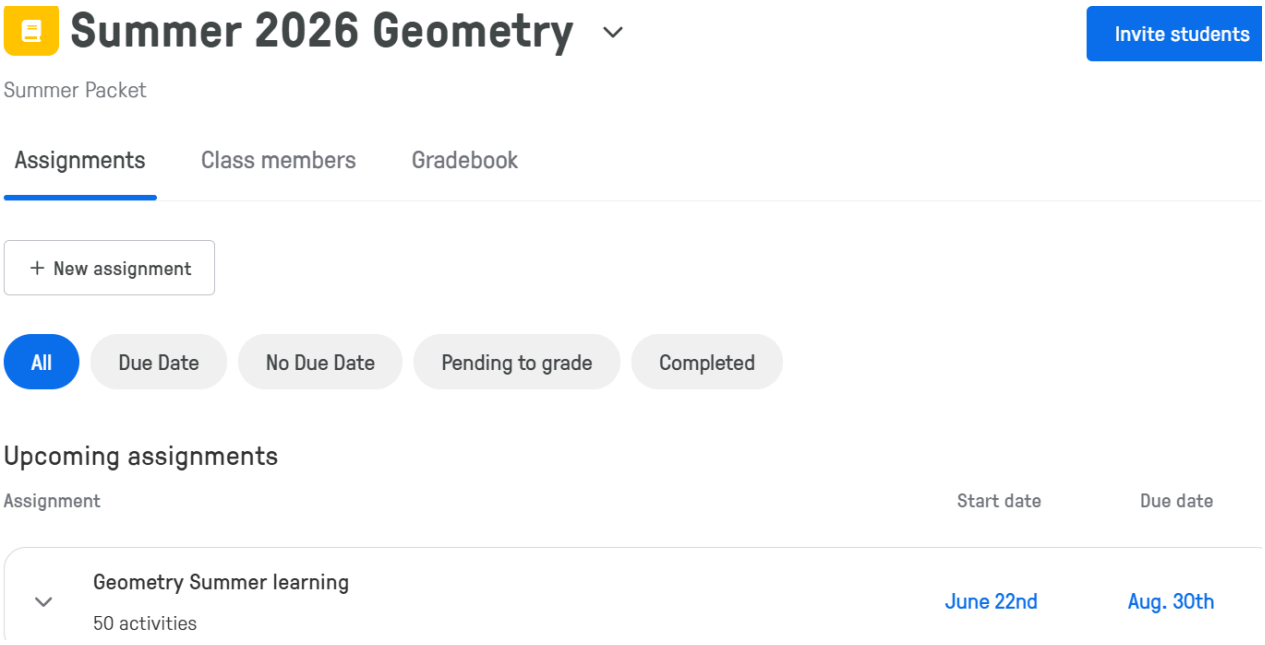
The packet is due on the first day of school, August 31st. You must submit your completed packet in person to your teacher during your first class. If the packet is not completed you will attend Saturday tutoring until the packet is complete.

By dedicating time to review and practice these essential skills, you are setting yourself up for a strong and successful start in Geometry. We look forward to seeing your hard work and effort. If you have any questions, please contact Mr.Zavala at ezavala@mptcs.org

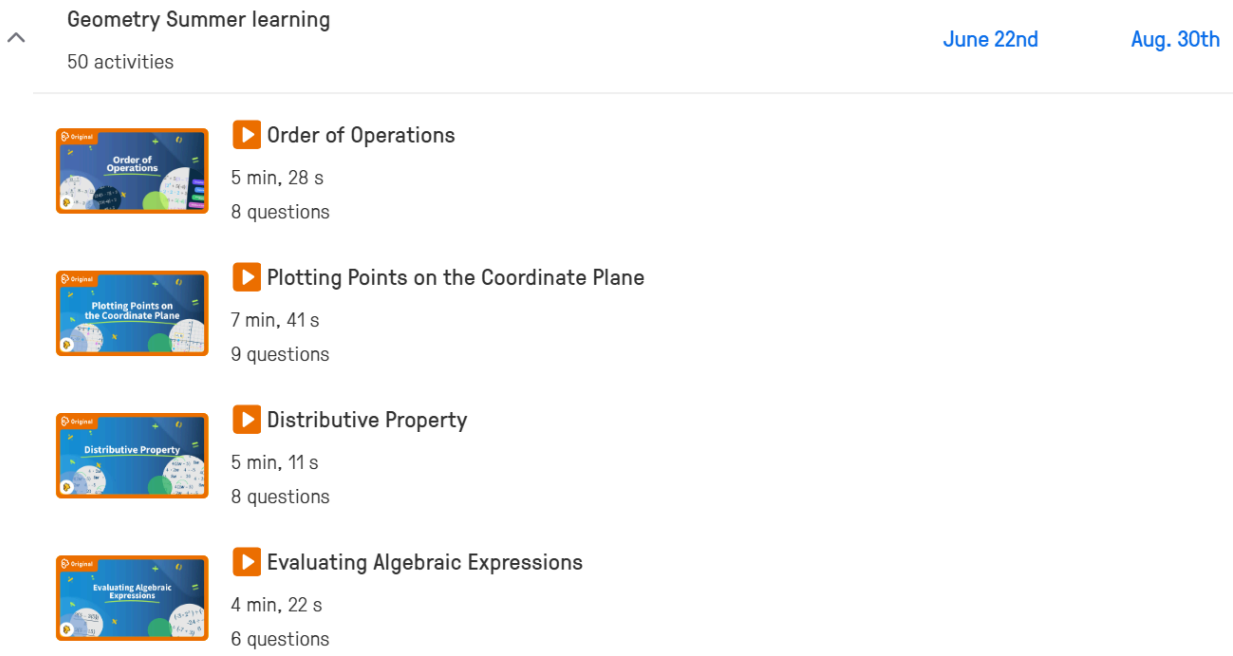
Step 1: Access the course by following one of the steps below

Access the Course by Phone	 **FIRST,** Scan QR Code Above  Click on the option Continue With Google
Access the Course by Chromebook	**FIRST**, Type in Edpuzzle.com in the toolbox as seen below:  **SECOND**, Click here to enter the code:  **THIRD,** Enter the code below it is..**hetedpe** then click find class hetedpe

Step 2 Click here

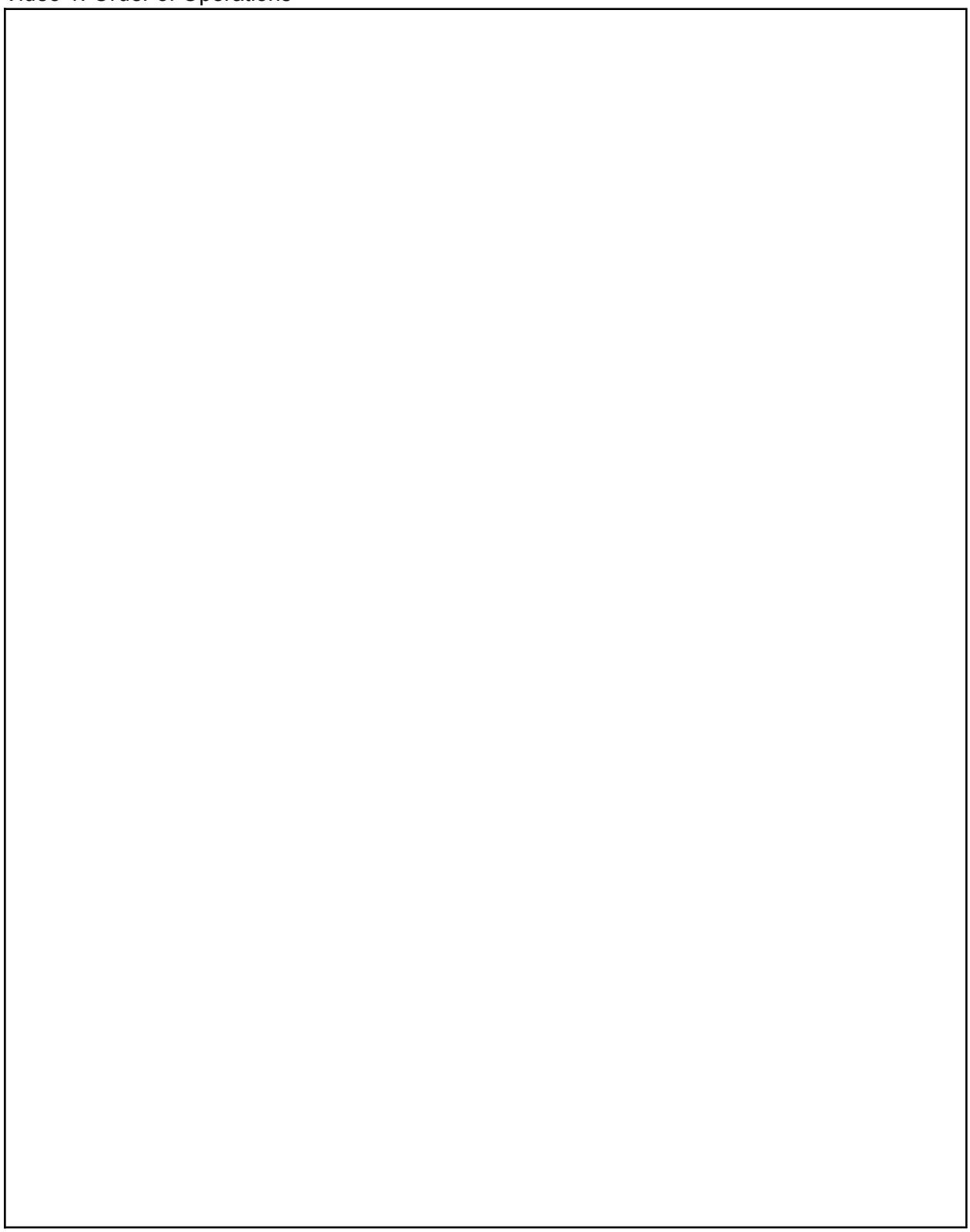


Step 3: Start with the first video by clicking on it. **You must watch videos in order.**



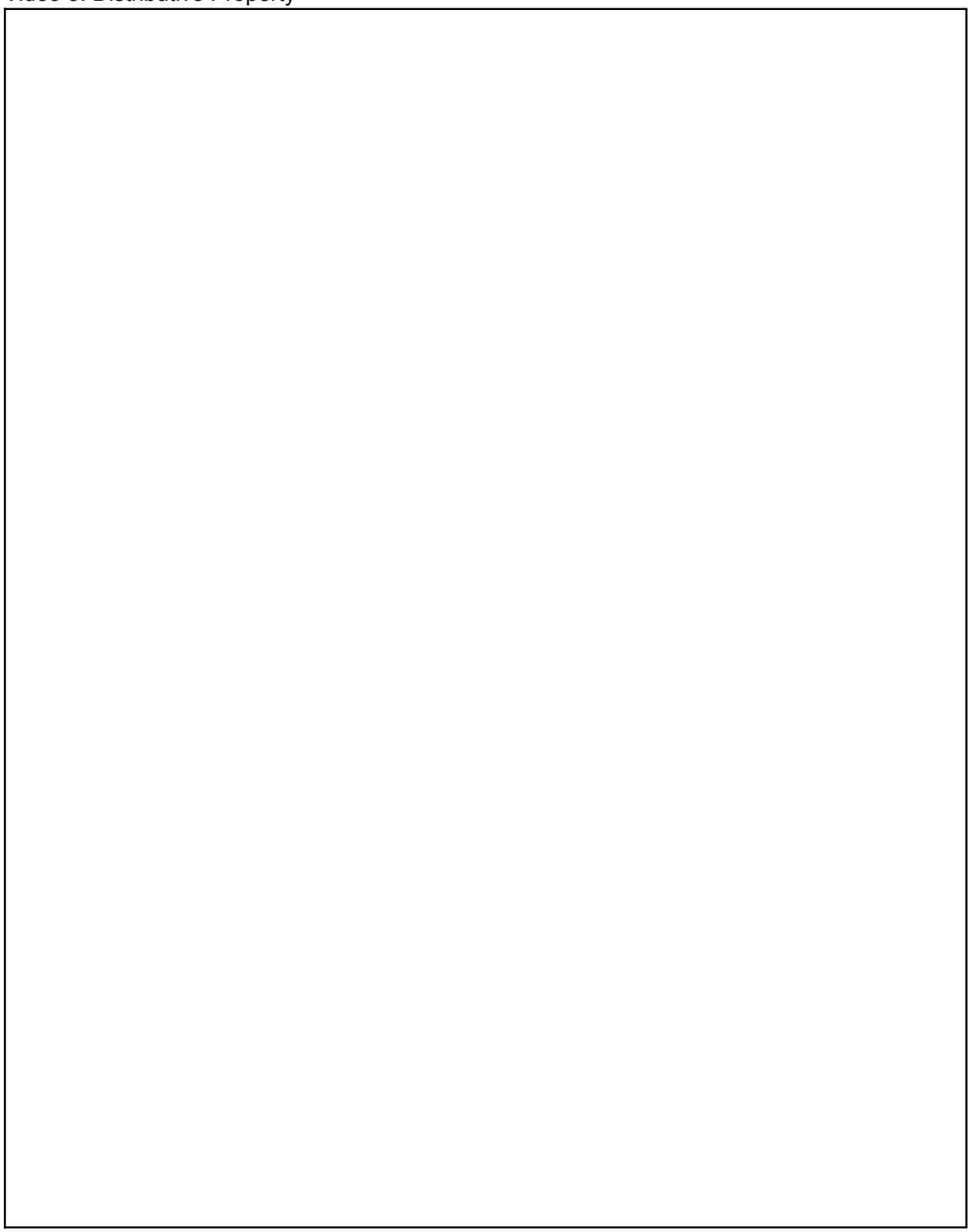
<u>Step 4:</u> Fill out each page of the summer learning journal **no work = no credit** **The first video should be order of operations**	Make sure the title and video match **<u>Video #1:</u> Order of Operations** **Workspace** Use the space to take notes during the puzzle video, refer back to these notes during practice problems. **The Blank space is used for notes and scrap paper**

Video 1: Order of Operations



Video 2: Plotting Points on the Coordinate Plane

Video 3: Distributive Property



Video 4: Evaluating Algebraic expressions

Video 5: Simplifying Algebraic expressions

Video 6: Combining Like terms

Video 7: Solving One step equation

Video 8: Solving one step equation(Multiplying and division)

Video 9 : Solving two step equations

Video 10: Solving Equations with Variables on Both Sides

Video 11: Solving Multi step equations

Video 12: Using Formulas

Video 13: Clearing Denominators in Equations

Video 14: Solving Literal equations

Video 15: Finding the slopes from graphs

Video 16: Finding the slope from two points

Video 17: Identifying the types of slopes

Video 18: Identifying Parallel and Perpendicular Lines

Video 19: Writing Linear equations from two points(Slope intercept form)

Video 20: Writing a linear equation from a slope and a point

Video 21: Write a linear equation from a slope and a point(Slope intercept form)

Video 22: Write equations of parallel Lines

Video 23: Write Equations on Perpendicular Lines

Video 24: Simplifying Numerical expressions(Square roots)

Video 25: Solving Radical equations

Video 26: Solving equations using radicals(Pythagorean Theorem)

Video 27: Evaluating square roots

Video 28: Simplifying square roots (Product rule)

Video 29: Simplifying square roots(quotient rule)

Video 30: Multiplying square roots

Video 31: Rationalizing Denominators

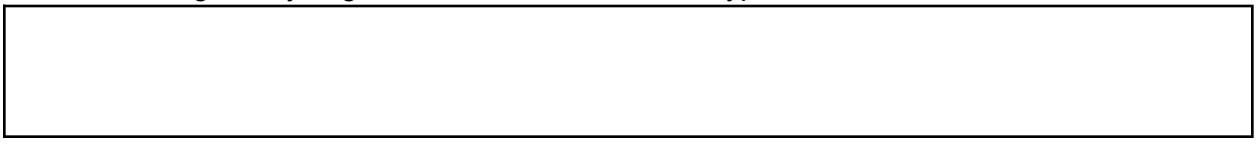
Video 32: Simplifying radical expressions

Video 33: Multiplying radical expressions

Video 34: Rationalizing a denominator of a radical expression

Video 35: Introduction of to the Pythagorean theorem

Video 36: Using the Pythagorean Theorem To find the hypotenuse



Video 37: Simplifying square roots

Video 38: Using the Pythagorean Theorem to find the hypotenuse (square roots)

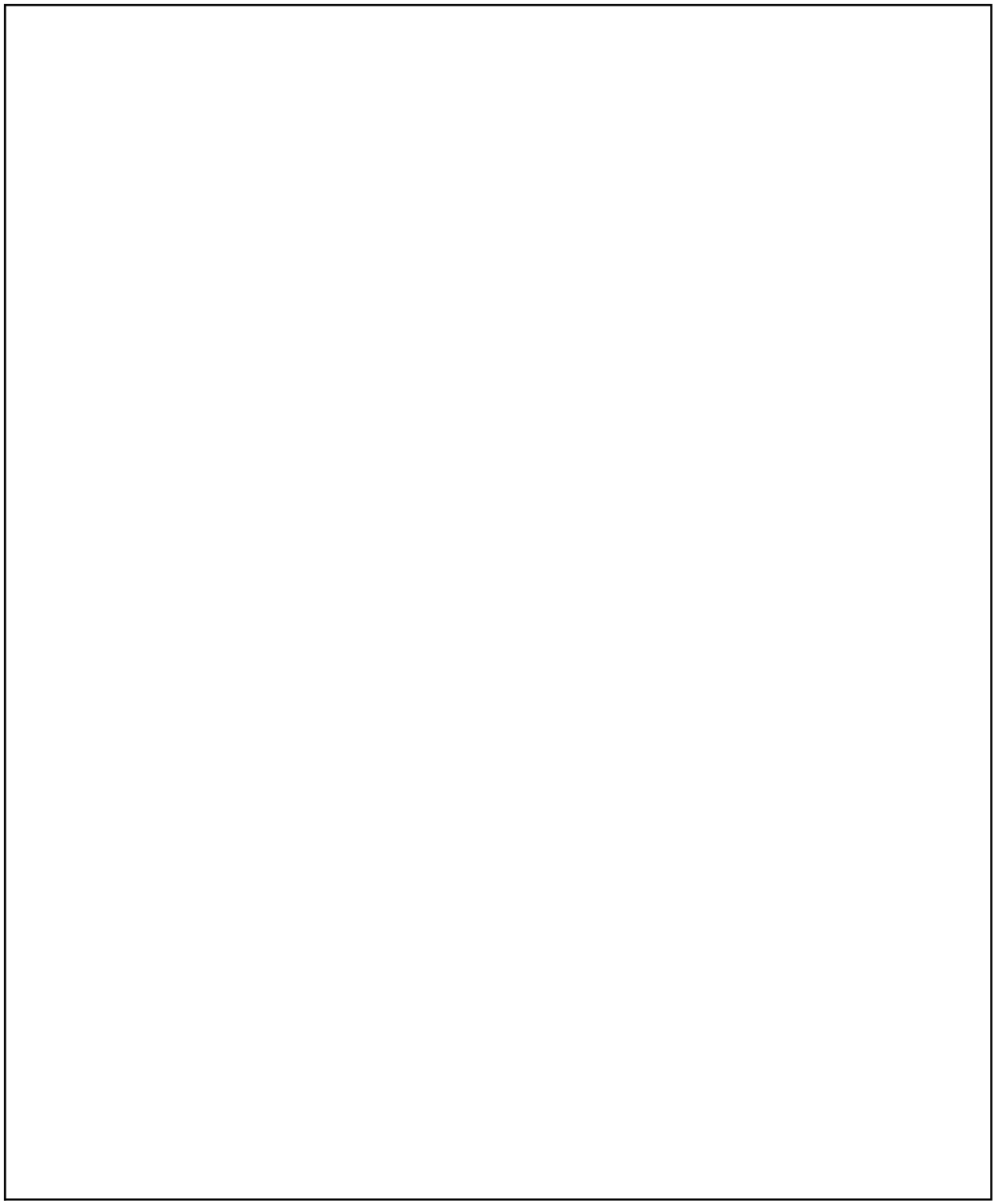
Video 39: Using the Pythagorean Theorem to find the hypotenuse (Decimal Approximations)

Video 40: Using the Pythagorean Theorem to find the hypotenuse (Problem based)

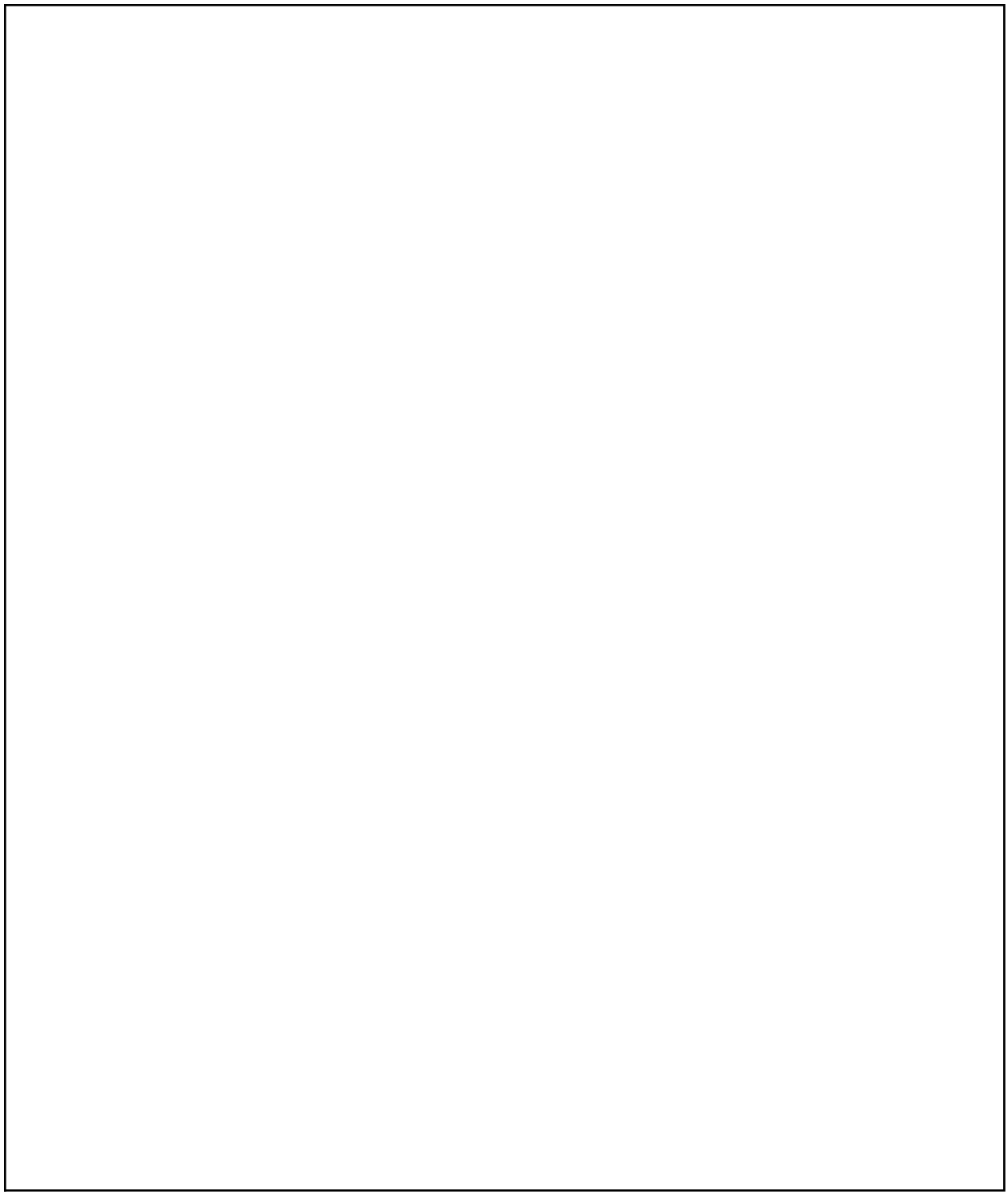
Video 41: Using the Pythagorean Theorem to find the leg

Video 42: Using the Pythagorean Theorem to find the leg (square roots)

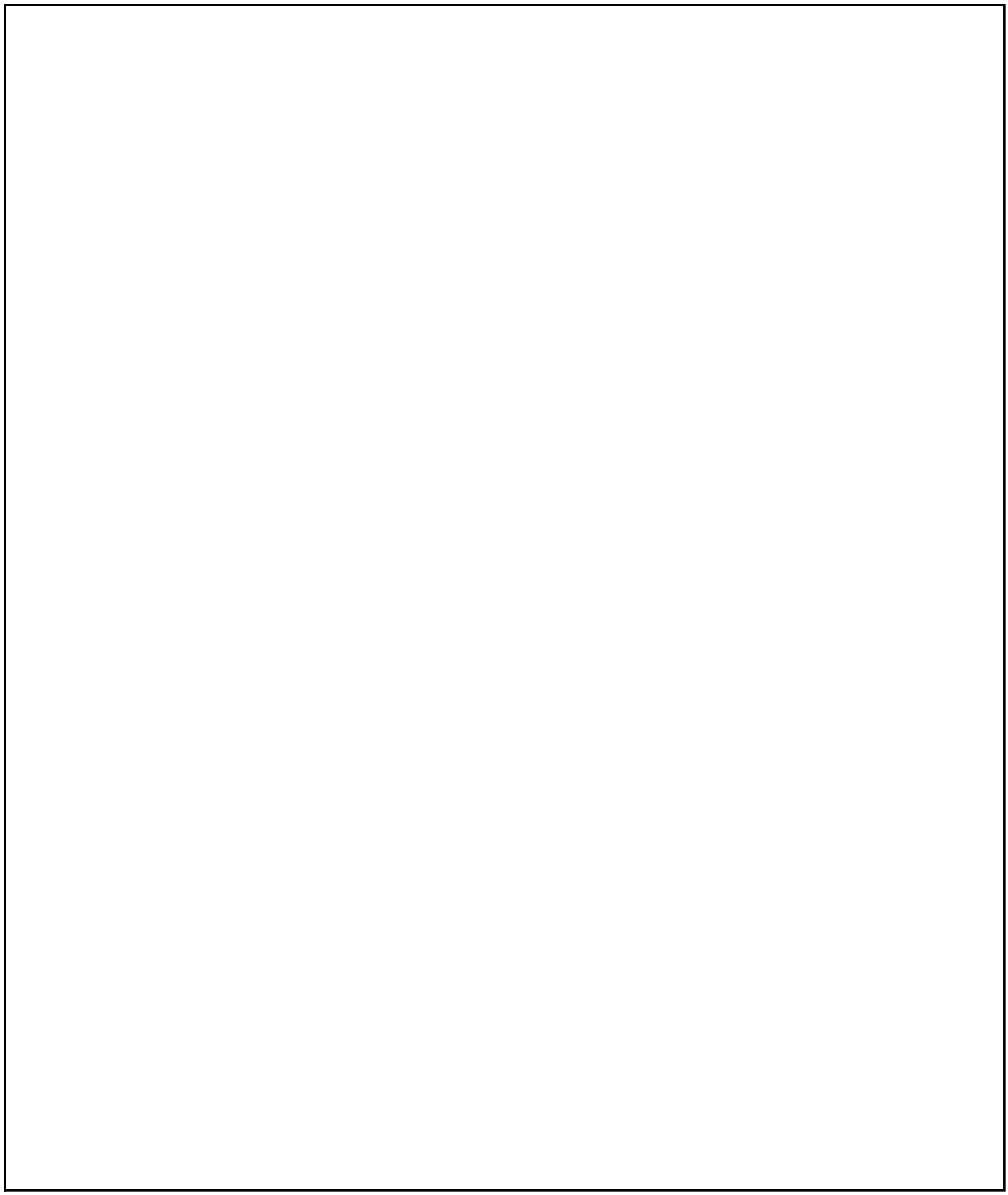
Video 43: Introduction to circles



Video 44: What is Pi



Video 45: Area of Circles



Video 46: Area of Circle (Answer in terms of Pi)

Video 47: Area of Circles (Using 22/7 or Pi)

Video 48: Area of circles (Coordinate Plane)

Video 49: Find radius and diameter Given area

Video 50: Finding Area Given Circumference