9ᵗʰ Grade Algebra 1 Options: The Major Differences

	Algebra 1 #2170	**Advanced Algebra 1 #2160**
Writing	Short answer on selected tests or quizzes to explain a topic. Not often.	Short answer on most tests. AP style questions as quizzes. Must explain/interpret higher level concepts without numbers.
Computation	Practice computation by hand and also given the support of the calculator to get to the answers.	Most topics are required to show all computation by hand. No calculator tricks. Calculator methods used only to check answers.
Pace	2-3 sections per week	3-4 sections per week
Tests	3-4 per nine weeks 12-15 questions: multiple choice, matching. Graphing Calculator allowed.	3-4 per nine weeks Part 1: 15-25 questions: multiple choice, matching, and short answer Part 2: AP/college- level supplement (multi-step problem, showing work and explanation to justify answers.) Calculator/Non-Calculator Parts
Quizzes	1-2 times a week 3-4 questions *5-10 mins	2-4 times a week 4-10 questions *5-12 mins
College Credit and GPA	No college credit or bonus GPA points	**+5 points added to your GPA** after successful completion of the course; no college credit
Concepts/Topics	All state required standards are covered.	All state required standards are covered and extended upon. Additional concepts are covered in preparation for taking a college math course in high school.

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EXAMPLE P-AP QUESTIONS:

30. *The equation of the line shown can be written in the standard form $2x + By = -6$. What is the value of B?*
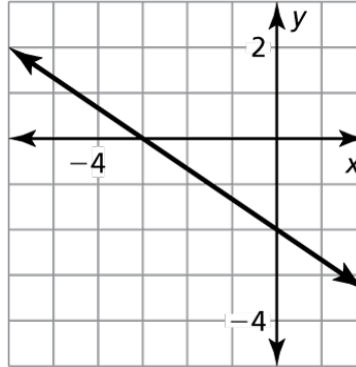
29. *For what value of k are the graphs of y = 3x + 4 and 2y = kx + 9 parallel?*

25. Simplify $\left(\dfrac{a^m}{b^t}\right)^x$

26. Simplify $x^n \cdot x^c \cdot y^{-b}$

27. Is $x^y \cdot x^z = x^{yz}$ sometimes, always or never true? Explain.