



ADP Algebra II End-of-Course Exam Operational Blueprint

Content Standards	Emphasis	Number of Multiple Choice Items	Number of Short Answer Items	Number of Extended Response Items
		1 point each	2 points each	4 points each
Operations and Expressions				
O1. Real numbers	15% of Exam	2-12	0-3	0-2
O2. Complex numbers		- !-	Ü	-
O3. Algebraic expressions				
Equations and Inequalities				
E1. Linear equations and inequalities	20% of Exam	4-16	0-4	0-2
E2. Nonlinear equations and inequalities				
Polynomial and Rational Functions				
P1. Quadratic functions	30% of Exam	13-21	1-3	0-2
P2. Higher-order polynomial and rational functions				
Exponential functions	20% of Exam	4-16	0-4	0-2
X1. Exponential functions	20 % Of Exam.			
Functional Operations and Inverses				
F1. Functional operations and composition	15% of Exam	3-13	0-4	0-2
F2. Inverse functions	10,001	.	.	<u> </u>
F3. Piecewise functions				
Totals per Exam*	70 points	46 Multiple Choice Items	6 Short Answer Items	3 Extended Response Items

Additional Notes Regarding the Test:

As described by Webb's Taxonomy:

Cognitive Level 1 items include the recall of information such as a fact, definition, term, or a simple procedure, as well as performing a simple algorithm or applying a formula and will make up 20 - 30% of points on the exam.

Cognitive Level 2 items require students to make some decisions as to how to approach the problem or activity and will make up 40 - 60% of points on the exam.

Cognitive Level 3 items require reasoning, planning, using evidence, and a higher level of thinking (e.g. justifying or analyzing) and will make up 20 - 30% of points on the exam.

Short Answer (2 point) items will make up 12 points on every operational form.

Extended Response (4 point) items will make up 12 points on every operational form.

*Total per exam item counts above do not include embedded field test items that will consist of 6 multiple choice items and 1 or 2 constructed-response items. These items will not count towards a student's score.

Half of the items will appear in the session where a calculator is permitted and half will appear in the session where a calculator is not permitted.