

**Fourth Quarter Learning Targets**  
**Algebra I PreAP**

Name \_\_\_\_\_

Period \_\_\_\_\_

	<b>Learning Target</b>	<b>Study Guide</b> (solutions in Google Drive)	<b>Notes for Celebration / Notes for Improvement</b>
9A	(9-1) Identify the characteristics of a quadratic function (axis of symmetry, vertex, minimum, maximum, domain, range) from a graph or an equation; graph a quadratic function	SG: 1-4, 11-15 PT: 1-5	
		Progress: 1 <sup>st</sup> ____ 2 <sup>nd</sup> ____ 3 <sup>rd</sup> ____	
9B	(9-2) Solve quadratic equations by graphing with and without technology; write the equation of a quadratic function given its zeros and a third point	SG: 9, 16-22 PT: 6-7	
		Progress: 1 <sup>st</sup> ____ 2 <sup>nd</sup> ____ 3 <sup>rd</sup> ____	
9C	(9-3) Graph quadratic functions using transformations, including vertex form; graph linear functions using transformations; write the vertex form of a quadratic function given its vertex and another point	SG: 10, 23-30 PT: 8-11	
		Progress: 1 <sup>st</sup> ____ 2 <sup>nd</sup> ____ 3 <sup>rd</sup> ____	
9D	(9-4 & 9-5) Solve quadratic equations by completing the square; solve quadratic equations using the quadratic formula; use the discriminant to anticipate the number of real solutions to a quadratic equation	SG: 5-6, 31-44 PT: 12-18	
		Progress: 1 <sup>st</sup> ____ 2 <sup>nd</sup> ____ 3 <sup>rd</sup> ____	

9E	(9-6) Use successive differences to decide if a function is linear, quadratic or exponential; use technology to write quadratic regression equations	SG: 45-47 PT: 19-21	
		Progress: 1 <sup>st</sup> ____ 2 <sup>nd</sup> ____ 3 <sup>rd</sup> ____	
10A	(10-1) Graph square root functions using transformations; state the domain and range of transformed square root functions	SG: 4, 7, 10-17 PT: 1-4	
		Progress: 1 <sup>st</sup> ____ 2 <sup>nd</sup> ____ 3 <sup>rd</sup> ____	
10B	(10-2) Simplify radical expressions; rationalize the denominator of a radical expression using the conjugate when necessary	SG: 2-3, 18-28 PT: 5-6, 13	
		Progress: 1 <sup>st</sup> ____ 2 <sup>nd</sup> ____ 3 <sup>rd</sup> ____	
10C	(10-3) Add, subtract and multiply radical expressions	SG: 29-36 PT: 7-10	
		Progress: 1 <sup>st</sup> ____ 2 <sup>nd</sup> ____ 3 <sup>rd</sup> ____	
10D	(10-4) Solve radical equations; determine whether the solutions to radical equation are extraneous	SG: 8, 37-43 PT: 11-12	
		Progress: 1 <sup>st</sup> ____ 2 <sup>nd</sup> ____ 3 <sup>rd</sup> ____	

11A	(11-1) Understand the difference between inverse and direct variation; solve problems involving inverse variation; graph inverse variation equations	SG: 2, 9, 11-14 PT: 1-2, 5-6, 17-18	
		Progress: 1 <sup>st</sup> ____ 2 <sup>nd</sup> ____ 3 <sup>rd</sup> ____	
11B	(11-2 & 10-5) Graph rational functions using transformations; identify the asymptotes, domain exclusions, and zeros; use the Pythagorean Theorem to find missing side lengths in right triangles; use the distance formula to find the distance between two points in a coordinate plane	SG10: 1, 5, 9, 44-52 PT10: 14-16 SG11: 3, 10, 15-19 PT11: 23-24	
		Progress: 1 <sup>st</sup> ____ 2 <sup>nd</sup> ____ 3 <sup>rd</sup> ____	
11C	(11-3) Simplify rational expressions; state excluded values	SG: 4-5, 20-27 PT: 7-8	
		Progress: 1 <sup>st</sup> ____ 2 <sup>nd</sup> ____ 3 <sup>rd</sup> ____	
11D	(11-4) Multiply and divide rational expressions	SG: 28-33 PT: 3-4, 9	
		Progress: 1 <sup>st</sup> ____ 2 <sup>nd</sup> ____ 3 <sup>rd</sup> ____	
11E	(11-5) Divide a polynomial by a monomial; divide a polynomial by a binomial	SG: 34-38 PT: 14-16	
		Progress: 1 <sup>st</sup> ____ 2 <sup>nd</sup> ____ 3 <sup>rd</sup> ____	

- Each learning target will be assessed the week it is taught. It will be assessed again at least one more time a week or two later.
  - If the last grade for a learning target is the highest grade for that learning target, then that will be the grade for the learning target (replacing any lower grades in the grade book).
  - If the last grade is not the highest grade for that learning target, then the most recent grade will be averaged with the existing grade.
  - Parents may be notified when a score of 0 or 1 is earned on any learning target.

Score Conversions:

Target Score	0	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6
Percent	40	45	50	55	60	65	70	75	80	85	90	95	100