

What is it we expect students to learn? Identifying Essential Standards

Grade Level: 9-12

Subject: Algebra 1

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1. Standard*/Description	2. Example/Rigor	3. Prior Skills Needed	4. Common Assessment	5. When Taught?
3.0, 4.0 Student will be able to solve linear equations.	Solve: $\frac{2}{3}(3x - 9) = 4(x + 6) - 2$	Simplifying expressions	Unit test Formative assessments	Aug / Sept (or) Jan
6.0 Student will be able to graph linear equations.	Graph the equation and label the intercepts: $3x - 2y - 2 = 0$	Evaluating expressions, Solve literal equation	Unit test Formative assessments	Sept (or) Jan/Feb
7.0 Student will be able to write linear equations.	Write the equation of the line that passes through $(-2, -6)$ and is perpendicular to $2x - 3y = 12$	Find and understand slope	Unit test Formative assessments	Sept / Oct (or) Feb / Mar
9.0 Student will be able to solve a system of equations or inequalities.	You spend \$13 to rent 5 movies for the weekend. Since new releases rent for \$3 and regular movies rent for \$2, how many regular movies did you rent? How many new releases did you rent?	Evaluating and simplifying expressions	Unit test Formative assessments	Oct (or) Apr
10.0, 11.0 Student will be able to perform operation with polynomials, including factoring.	Factor: $48y^2 - 72xy + 27x^2$	Multiply polynomials Operations involving integers	Unit test Formative assessments	Nov (or) Apr/May
19.0, 20.0, 21.0, 22.0 Student will be able to solve and graph quadratic functions.	Find the x -intercepts. $y = -x^2 + 4x - 3$	Simplifying radicals	Unit test Formative assessments	Nov / Dec (or) May

*Aligned to CA State Standards