

CW High School

Algebra I B

1. Unit 5 Sequences (25.00%)

Learning Targets

1.1 I can complete problems related to topics covered in Algebra 1A, including: graphing lines and writing equations of lines, solving equations, solving a system of equations, simplifying rational expressions.

Learning Target	Descriptor	Definition
4	Proficient	I can complete problems related to topics covered in Algebra 1A, including: graphing lines and writing equations of lines, solving equations, solving a system of equations, simplifying rational expressions.
3	Developing	I can complete problems related to topics in Algebra 1A with minimal errors.
2	Basic	I can complete many steps involved in the solving of problems related to topics covered in Algebra 1A.
1	Minimal	I can complete minimal steps involved in the solving of problems related to topics covered in Algebra 1A.
0	No Evidence	No evidence shown.

1.2 I can generate and apply an explicit equation for an arithmetic sequence given a situation. I can relate this information to its graph and explain its significance.

Learning Target	Descriptor	Definition
4	Proficient	I can generate and apply an explicit equation for an arithmetic sequence given a situation. I can relate this information to its graph and explain its significance.
3	Developing	I can find a given term in a sequence and find the number of terms in a sequence.
2	Basic	I can identify the zero-eth term $t(0)$ and the common difference (d) in an arithmetic sequence and write the explicit equation.
1	Minimal	I can identify a sequence as arithmetic and state the value that is being added or subtracted. I can recognize what the graph of an arithmetic sequence looks like.
0	No Evidence	No evidence shown.

1.3 I can generate and apply an explicit equation for a geometric sequence given a situation. I can relate this information to its graph and explain its significance.

Learning Target	Descriptor	Definition
4	Proficient	I can generate and apply an explicit equation for a geometric sequence given a situation. I can relate this information to its graph and explain its significance.
3	Developing	I can write the explicit equation to represent the geometric sequence and find a given term.
2	Basic	I can identify the zeroeth term $t(0)$ and the common ratio (r) in a geometric sequence and write the explicit equation.

CW High School

Algebra I B

Learning Target	Descriptor	Definition
1	Minimal	I can identify a sequence as geometric and state the value that is being multiplied or divided. I can recognize what the graph of a geometric equation looks like.
0	No Evidence	No evidence shown.

2. Unit 8 Quadratic Functions (25.00%)

Learning Targets

2.1 I can completely factor a quadratic expression.

Learning Target	Descriptor	Definition
4	Proficient	I can completely factor a quadratic expression.
3	Developing	I can factor correctly, however, the greatest common factor has not been factored out.
2	Basic	I can set up the generic rectangle and diamond problem correctly, but a mistake is made on one of the factors.
1	Minimal	I can set up the generic rectangle and diamond problem correctly, but the diamond problem has not been filled in or is filled in incorrectly.
0	No Evidence	No evidence shown.

2.2 I can solve a quadratic equation using the zero product property that is not set equal to zero.

Learning Target	Descriptor	Definition
4	Proficient	I can solve a quadratic equation using the zero product property that is not set equal to zero.
3	Developing	I can solve a quadratic equation that is equal to zero, but is not in factored form.
2	Basic	I can solve a quadratic equation with minimal errors that is equal to zero, but is not in factored form.
1	Minimal	I can solve a quadratic equation that is equal to zero and is in factored form.
0	No Evidence	No evidence shown.

2.3 I can accurately sketch a parabola including the vertex, x intercepts and y intercept.

Learning Target	Descriptor	Definition
4	Proficient	I can accurately sketch a parabola including the vertex, x intercepts and y intercept.
3	Developing	I can accurately find the y intercept, the x intercepts, and the axis of symmetry of a parabola given the equation.

CW High School

Algebra I B

Learning Target	Descriptor	Definition
2	Basic	I can identify the y intercept and factor to find the x intercepts of a parabola given the equation with minimal errors.
1	Minimal	I can identify the y intercept of a parabola given the equation.
0	No Evidence	No evidence shown.

2.4 I can write the equation of a parabola given a graph or table in both factored and standard form.

Learning Target	Descriptor	Definition
4	Proficient	I can write the equation of a parabola given a graph or table in both factored and standard form.
3	Developing	I can write an equation of a parabola in factored form.
2	Basic	I can write an equation of a parabola, but identify the "a" value incorrectly (or do not find it at all).
1	Minimal	I can identify the x intercepts of a graph.
0	No Evidence	No evidence shown.

3. Unit 9 Solving Quadratics and Inequalities (25.00%)

Learning Targets

3.1 I can solve a quadratic equation by completing the square.

Learning Target	Descriptor	Definition
4	Proficient	I can solve a quadratic equation by completing the square.
3	Developing	I can solve the equation with minimal errors.
2	Basic	I can rewrite the equation in $0 = (x - a)^2 + b$ form.
1	Minimal	I can set up a quadratic equation and decide what value to add and subtract in order to make a perfect square trinomial.
0	No Evidence	No evidence shown.

3.2 I can solve a quadratic equation using the quadratic formula and write the answer in both decimal and exact radical form.

Learning Target	Descriptor	Definition
4	Proficient	I can solve a quadratic equation using the quadratic formula and write the answer in both decimal and exact radical form.
3	Developing	I can solve the equation making minimal errors.

CW High School

Algebra I B

Learning Target	Descriptor	Definition
2	Basic	I can substitute the a, b, and c values correctly into the quadratic formula and begin to solve.
1	Minimal	I can write the equation in standard form and identify the a, b, and c values.
0	No Evidence	No evidence shown.

3.3 I can simplify square roots and write in simplest radical form.

Learning Target	Descriptor	Definition
4	Proficient	I can simplify square roots and write in simplest radical form.
3	Developing	I can simplify the perfect square and rewrite without the square root symbol, but the final answer is not written correctly.
2	Basic	I can rewrite a square root as the product of two square roots with one of the factors being a perfect square.
1	Minimal	I can rewrite a square root as the product of two square roots.
0	No Evidence	No evidence shown.

3.4 I can solve and graph a one or two variable inequality.

Learning Target	Descriptor	Definition
4	Proficient	I can solve and graph a one or two variable inequality.
3	Developing	I can graph a two variable inequality.
2	Basic	I can solve and graph a one variable inequality and graph the solution.
1	Minimal	I can graph a one variable inequality.
0	No Evidence	No evidence shown.

3.5 I can write and solve a system of inequalities to solve real life application problems.

Learning Target	Descriptor	Definition
4	Proficient	I can write and solve a system of inequalities to solve real life application problems.
3	Developing	I can graph a system of linear or quadratic inequalities.
2	Basic	I can graph a system of linear inequalities in any format.
1	Minimal	I can graph a system of linear inequalities when both inequalities are in the form $y = mx + b$.

CW High School

Algebra I B

Learning Target	Descriptor	Definition
0	No Evidence	No evidence shown.

CW High School

Algebra I B

4. Unit 10 Solving Complex Equations (25.00%)

Learning Targets

4.1 I can solve equations involving large numbers, decimals, fractions, absolute value, roots, powers, and variable exponents.

Learning Target	Descriptor	Definition
4	Proficient	I can solve equations involving large numbers, decimals, fractions, absolute value, roots, powers, and variable exponents.
3	Developing	I can use all the steps necessary to solve a complex problem, but make minimal errors.
2	Basic	I can get multiple steps of solving a complex problem done, but cannot finish or make minimal errors.
1	Minimal	I can begin to solve a complex equation, but may get stuck after the first step or execute it incorrectly.
0	No Evidence	No evidence shown.

4.2 I can simplify rational expressions by using the laws of exponents or factoring, reduce all common factors and write in simplest form.

Learning Target	Descriptor	Definition
4	Proficient	I can simplify rational expressions by using the laws of exponents or factoring, reduce all common factors and write in simplest form.
3	Developing	I can factor the numerator and denominator of an expression and reduce some common factors.
2	Basic	I can factor the numerator and denominator of an expression.
1	Minimal	I can simplify a rational expression using the laws of exponents.
0	No Evidence	No evidence shown.

4.3 I can multiply and divide rational expressions.

Learning Target	Descriptor	Definition
4	Proficient	I can multiply and divide rational expressions.
3	Developing	I can reduce common factors and then multiply to find the product or quotient in simplest form.
2	Basic	I can factor the numerator and denominator of an expression and in a division problem rewrite by multiplying by the reciprocal.
1	Minimal	I can factor the numerator and denominator of an expression.
0	No Evidence	No evidence shown.

Submitted on 2/15/2019 by