FCPS Algebra Common Assessment Topic Lists

Question Number	Topic
1	Identify number sets
2	Order numbers
3	Solve multi-step equation
4	Consecutive integer problem
5	Determine the number of solutions to an equation
6	Solve a literal equation for a given variable
7	Solve a linear inequality
8	Graph an inequality on a number line
9	Solve a compound inequality
10	Match a two-variable inequality with a given graph
11	Find a linear equation given two points
12	Write an equation from a real-world scenario
13	Write the equation of a horizontal line through a point
14	Find the point-slope equation given a graph
15	Find the point-slope equation given a point and a slope
16	Find the point-slope equation given two points
17	Find the x- and y-intercepts
18	Write the equation from a real-world problem
19	Find the equation of a parallel line
20	Find the y-intercept of an equation in point-slope form

ACA 2

Question Number	Topic
1	Solve multi-step equation
2	Solve literal equation for a given variable
3	Graph inequality on a number line
4	Identify the equation that matches the graph
5	Find a linear equation given two points
6	Find a linear equation given x- and y-intercepts
7	Find the equation of a perpendicular line
8	Determine the domain and range of a relation
9	Identify an arithmetic sequence
10	Solve a system of equations
11	Choose a graph for a given inequality
12	Determine which relation is NOT a function
13	Choose a function for a given table
14	Find the equation of a trendline
15	Interpret the meaning of a y-intercept
16	Solve a system of equations by graphing
17	Determine the number of solutions in a system of equations
18	Solve a system of equations
19	Set up solve a system of equations for a word problem
20	Choose the correct graph for a system of inequalities

ACA 3

Question Number	Topic
1	Solve multi-step equation
2	Determine the number of solutions to a linear equation
3	Solve a compound inequality
4	Solve an absolute value equation
5	Match an equation to a linear graph
6	Find the equation of a line given two points
7	Solve a system of equations
8	Determine the type of solution to a system of equations
9	Match a two-variable inequality with a given graph
10	Subtract polynomials
11	Multiply polynomials
12	Factor the gcf from a polynomial
13	Factor a polynomial
14	Factor a polynomial
15	Factor a polynomial
16	Factor a polynomial
17	Evaluate an expression for given values
18	Rewrite an expression using positive exponents
19	Find an exponential function to math a table of values
20	Determine whether or not a sequence is geometric

ACA 4

Question Number	Topic
1	Solve multi-step equation
2	Determine the number of solutions to a linear equation
3	Match an equation to a linear graph
4	Find a compound inequality for a given number line graph
5	Solve a system of equations
6	Subtract polynomials
7	Multiply polynomials
8	Multiply polynomials
9	Find the gcf of a polynomial
10	Factor a polynomial
11	Factor a polynomial
12	Factor a polynomial
13	Find the vertex of a quadratic function in vertex form
14	Interpret a real-world problem using properties of a quadratic function
15	Solve a quadratic equation
16	Simplify a radical expression
17	Solve a quadratic equation by factoring
18	Solve a quadratic equation using the quadratic formula
19	Find the vertex of a quadratic function
20	Simplify a radical expression