Assessment Blueprint - Unit 1 Linear Equations

Unit 1 Overview and Readiness (prerequisite skill assessment)

Item	TEKS
1	Math 8.8(C) model and solve one- variable equations with variables on both sides of the equal sign that represent mathematical and real-world problems using rational number coefficients and constants
2	Math 8.8(C) model and solve one- variable equations with variables on both sides of the equal sign that represent mathematical and real-world problems using rational number coefficients and constants
3	Math 6.11(A) graph points in all four quadrants using ordered pairs of rational numbers

Unit 1 Section A

Item	TEKS
1	A2(C) write linear equations in two variables given a table of values, a graph, and a verbal description
2	A2(C) write linear equations in two variables given a table of values, a graph, and a verbal description
3	A2(C) write linear equations in two variables given a table of values, a graph, and a verbal description
4	A3(C) graph linear functions on the coordinate plane and identify key features, including x-intercept, y-intercept, zeros, and slope, in mathematical and real-world problems
5	A3(C) graph linear functions on the coordinate plane and identify key features, including x-intercept, y-intercept, zeros, and slope, in mathematical and real-world problems

Unit 1 Section B

Item	TEKS
1	A5(A) solve linear equations in one variable, including those for which the application of the distributive property is necessary
2	A12(E) solve mathematic and scientific formulas, and other literal equations, for a specified variable

3	A5(A) solve linear equations in one variable, including those for which the application of the distributive property is necessary
4	A5(A) solve linear equations in one variable, including those for which the application of the distributive property is necessary
5	A3(C) graph linear functions on the coordinate plane and identify key features, including x-intercept, y-intercept, zeros, and slope, in mathematical and real-world problems

Unit 1 Section C

Item	TEKS
1	A2(D) write and solve equations involving direct variation
2	A2(G) write an equation of a line that is parallel or perpendicular to the x or y axis and determine whether the slope of the line is zero or undefined
3	A2(B) write linear equations in two variables in various forms, including $y=mx+b$, $Ax+By=C$, and $y-y_1=m(x-x_1)$, given one point and the slope and given two points
4	A2(B) write linear equations in two variables in various forms, including $y=mx+b$, $Ax+By=C$, and $y-y_1=m(x-x_1)$, given one point and the slope and given two points
5	A2(E) write the equation of a line that contains a given point and is parallel to a given line

Unit 1 Quiz

Item	TEKS
1	A2(C) write linear equations in two variables given a table of values, a graph, and a verbal description
2	A5(A) solve linear equations in one variable, including those for which the application of the distributive property is necessary
3	A12(E) solve mathematic and scientific formulas, and other literal equations, for a specified variable
4	A3(A) determine the slope of a line given a table of values, a graph, two points on the line, and an equation written in various forms, including $y=mx+b$, $Ax+By=C$, and $y-y_1=m(x-x_1)$
5	A5(A) solve linear equations in one variable, including those for which the application of the distributive property is necessary
6	A3(A) determine the slope of a line given a table of values, a graph, two points on the line, and an equation written in various forms, including $y=mx+b$, $Ax+By=C$, and

	$y-y_1=m(x-x_1)$
7	A2(F) write the equation of a line that contains a given point and is perpendicular to a given line

Unit 1 STAAR Review

Item	TEKS
1	A2(B) write linear equations in two variables in various forms, including $y=mx+b$, $Ax+By=C$, and $y-y_1=m(x-x_1)$, given one point and the slope and given two points
2	A5(A) solve linear equations in one variable, including those for which the application of the distributive property is necessary
3	A3(A) determine the slope of a line given a table of values, a graph, two points on the line, and an equation written in various forms, including $y=mx+b$, $Ax+By=C$, and $y-y_1=m(x-x_1)$
4	A2(D) write and solve equations involving direct variation
5	A3(C) graph linear functions on the coordinate plane and identify key features, including x-intercept, y-intercept, zeros, and slope, in mathematical and real-world problems

Unit 1 Project

TEKS
A2(C) write linear equations in two variables given a table of values, a graph, and a verbal description
A3(A) determine the slope of a line given a table of values, a graph, two points on the line, and an equation written in various forms, including $y=mx+b$, $Ax+By=C$, and $y-y_1=m(x-x_1)$
A3(C) graph linear functions on the coordinate plane and identify key features, including x-intercept, y-intercept, zeros, and slope, in mathematical and real-world problems