Assessment Blueprint - Unit 2 Linear Inequalities and Systems

Unit 2 Overview and Readiness (prerequisite skill assessment)

Item	TEKS
1	Math 8.9(A) identify and verify the values of *x* and *y* that simultaneously satisfy two linear equations in the form $y = mx + b$ from the intersections of the graphed equations *(only checks for solution to one equation)*
2	Math 8.4(C) use data from a table or graph to determine the rate of change or slope and *y*-intercept in mathematical and real-world problems *(given the equation)* 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 *(from Unit 1)*
3	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 *(from Unit 1)*

Unit 2 Section A

Item	TEKS
1	A5(C) solve systems of two linear equations with two variables for mathematical and real-world problems
2	A5(C) solve systems of two linear equations with two variables for mathematical and real-world problems
3	A5(C) solve systems of two linear equations with two variables for mathematical and real-world problems
4	A5(C) solve systems of two linear equations with two variables for mathematical and real-world problems
5	A5(C) solve systems of two linear equations with two variables for mathematical and real-world problems

Unit 2 Section B

Item	TEKS
1	A5(C) solve systems of two linear equations with two variables for mathematical and real-world problems
2	A5(C) solve systems of two linear equations with two variables for mathematical

	and real-world problems
3	A5(B) solve linear inequalities in one variable, including those for which the application of the distributive property is necessary and for which variables are included on both sides
4	A5(B) solve linear inequalities in one variable, including those for which the application of the distributive property is necessary and for which variables are included on both sides
5	A5(B) solve linear inequalities in one variable, including those for which the application of the distributive property is necessary and for which variables are included on both sides

Unit 2 Section C

Item	TEKS
1	A3(D) graph the solution set of linear inequalities in two variables on the coordinate plane
2	A3(D) graph the solution set of linear inequalities in two variables on the coordinate plane
3	A3(D) graph the solution set of linear inequalities in two variables on the coordinate plane
4	A2(H) write linear inequalities in two variables given a table of values, a graph, and a verbal description
5	A3(D) graph the solution set of linear inequalities in two variables on the coordinate plane

Unit 2 Section D

Item	TEKS
1	A3(H) graph the solution set of systems of two linear inequalities in two variables on the coordinate plane
2	A3(H) graph the solution set of systems of two linear inequalities in two variables on the coordinate plane
3	A3(H) graph the solution set of systems of two linear inequalities in two variables on the coordinate plane
4	A3(H) graph the solution set of systems of two linear inequalities in two variables on the coordinate plane

Unit 2 Quiz

Item	TEKS
1	A5(C) solve systems of two linear equations with two variables for mathematical and real-world problems
2	A5(C) solve systems of two linear equations with two variables for mathematical and real-world problems
3	A5(C) solve systems of two linear equations with two variables for mathematical and real-world problems
4	A5(B) solve linear inequalities in one variable, including those for which the application of the distributive property is necessary and for which variables are included on both sides
5	A5(B) solve linear inequalities in one variable, including those for which the application of the distributive property is necessary and for which variables are included on both sides
6	A3(D) graph the solution set of linear inequalities in two variables on the coordinate plane
7	A3(H) graph the solution set of systems of two linear inequalities in two variables on the coordinate plane
8	A3(D) graph the solution set of linear inequalities in two variables on the coordinate plane
9	A3(H) graph the solution set of systems of two linear inequalities in two variables on the coordinate plane
10	A2(I) write systems of two linear equations given a table of values, a graph, and a verbal description
11	A2(H) write linear inequalities in two variables given a table of values, a graph, and a verbal description
12	A3(H) graph the solution set of systems of two linear inequalities in two variables on the coordinate plane

Unit 2 STAAR Review

Item	TEKS
1	A2(I) write systems of two linear equations given a table of values, a graph, and a verbal description
2	A5(C) solve systems of two linear equations with two variables for mathematical

	and real-world problems
3	A3(D) graph the solution set of linear inequalities in two variables on the coordinate plane
4	A3(D) graph the solution set of linear inequalities in two variables on the coordinate plane
5	A3(D) graph the solution set of linear inequalities in two variables on the coordinate plane
6	A5(A) solve linear equations in one variable, including those for which the application of the distributive property is necessary and for which variables are included on both sides
7	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 $y-y_1=m(x-x_1)$,
8	A2(D) write and solve equations involving direct variation
9	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
10	A2(C) write linear equations in two variables given a table of values, a graph, and a verbal description

Unit 2 Project

TEKS
A2(H) write linear inequalities in two variables given a table of values, a graph, and a verbal description
A3(H) graph the solution set of systems of two linear inequalities in two variables on the coordinate plane