

**SBAC Block Mirror: Math High School - Algebra and Functions I - Linear Functions, Equations, and Inequalities (AE134327)**

Item Number	Item ID	Item Type	Standard Abbreviation	Standard Text	Cluster	Claim	Target(s)	Correct Answer	DOK
1	E260766	Multiple Choice	MA.9-12.A-REI.D.10	Understand that the graph of an equation in two variables is the set of all its solutions plotted in the coordinate plane, often forming a curve (which could be a line).	MA.9-12.A-REI.D	1	J	B	1
2	E212132	Technology Enhanced - Cloze Association	MA.9-12.A-CED.A.1	Create equations and inequalities in one variable and use them to solve problems.	MA.9-12.A-CED.A	4	A, E	autoscore	2
3	E176042	Multiple Choice	MA.9-12.A-REI.B.3	Solve linear equations and inequalities in one variable, including equations with coefficients represented by letters.	MA.9-12.A-REI.B	1	I	A	1
4	E261001	Technology Enhanced - Math Formula	MA.9-12.A-REI.B.3	Solve linear equations and inequalities in one variable, including equations with coefficients represented by letters.	MA.9-12.A-REI.B	1	I	autoscore	2
5	E260767	Technology Enhanced - Graph Plotting	MA.9-12.F-IF.B.4	For a function that models a relationship between two quantities, interpret key features of graphs and tables in terms of the quantities, and sketch graphs showing key features given a verbal description of the relationship.	MA.9-12.F-IF.B	1	L	autoscore	2
6	E178146	Multiple Choice	MA.9-12.A-REI.B.3	Solve linear equations and inequalities in one variable, including equations with coefficients represented by letters.	MA.9-12.A-REI.B	1	I	C	1
7	E260770	Technology Enhanced - Graph Plotting	MA.9-12.F-IF.C.7.a	Graph linear and quadratic functions and show intercepts, maxima, and minima.	MA.9-12.F-IF.C	1	M	autoscore	2
8	E174954	Multiple Choice	MA.9-12.A-REI.D.12	Graph the solutions to a linear inequality in two variables as a half-plane (excluding the boundary in the case of a strict inequality), and graph the solution set to a system of linear inequalities in two variables as the intersection of the corresponding half-planes.	MA.9-12.A-REI.D	1	J	B	1
9	E260765	Technology Enhanced - Math Formula	MA.9-12.A-REI.D.11	Explain why the x-coordinates of the points where the graphs of the equations $y = f(x)$ and $y = g(x)$ intersect are the solutions of the equation $f(x) = g(x)$ ; find the solutions approximately, e.g., using technology to graph the functions, make tables of values, or find successive approximations. Include cases where $f(x)$ and/or $g(x)$ are linear, polynomial, rational, absolute value, exponential, and logarithmic functions.	MA.9-12.A-REI.D	1	J	autoscore	2
10	E260769	Multiple Choice	MA.9-12.F-IF.B	Interpret functions that arise in applications in terms of the context.	MA.9-12.F-IF.B	2	C, A	D	2
11	E260969	Technology Enhanced - Cloze Association	MA.9-12.A-REI.D.12	Graph the solutions to a linear inequality in two variables as a half-plane (excluding the boundary in the case of a strict inequality), and graph the solution set to a system of linear inequalities in two variables as the intersection of the corresponding half-planes.	MA.9-12.A-REI.D	1	J	autoscore	2
12	E253208	Multiple Choice	MA.9-12.F-BF.A.1	Write a function that describes a relationship between two quantities.	MA.9-12.F-BF.A	1	N	C	2
13	E260796	Technology Enhanced - Classification	MA.9-12.F-IF.B.5	Relate the domain of a function to its graph and, where applicable, to the quantitative relationship it describes.	MA.9-12.F-IF.B	3	A, F	autoscore	2
14	E254849	Technology Enhanced - Graph Plotting	MA.9-12.A-CED.A.2	Create equations in two or more variables to represent relationships between quantities; graph equations on coordinate axes with labels and scales.	MA.9-12.A-CED.A	1	G	autoscore	2
15	E260768	Technology Enhanced - Math Formula	MA.9-12.F-BF.A.1	Write a function that describes a relationship between two quantities.	MA.9-12.F-BF.A	2	D, A	autoscore	2

Totals (SBAC bp)	Claim 1	11
	Target G	1
	Target I	3
	Target J	4
	Target L	1
	Target M	1
	Target N	1
	Claim 2	2
	Claim 3	1
	Claim 4	1