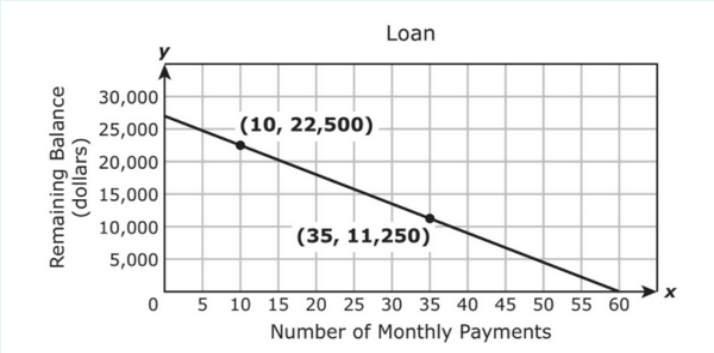
Unit 1 STAAR Review

	Question	TEKS	Exam/ Question#	Unit
1	What is the equation in slope-intercept form of the line that passes through the points (-26, -11) and (39, 34)? **A** $y = -\frac{9}{13}x + 7$ **B** $y = -\frac{9}{13}x - 7$ **C** $y = \frac{9}{13}x + 7$ [correct answer] **D** $y = \frac{9}{13}x - 7$	A.2(B)	2021/ Question#6	1
2	What is the solution to $4(y - 3) + 19 = 8(2y + 3) + 7$? **A** $-\frac{1}{2}$ **B** $\frac{1}{2}$ **C** -2 [correct answer] **D** 2	A.5(A)	2021/ Question#10	1

3	The table of values shows a linear relationship between x and y. x | y -7 | 9 -2 | 1 3 | -7 8 | -15 What is the slope of the line represented by the table of values? **A** $-\frac{8}{5}$ [correct answer] **B** $-\frac{5}{8}$ **C** $\frac{8}{5}$ **D** $\frac{5}{8}$	A.3(A)	2021/ Question#17	1
4	The value of y is directly proportional to the value of x. When $x = 3.5$, the value of y is 14. What is the value of y when $x = 28$? **A** 112 [correct answer] **B** 14 **C** 32 **D** 128	A.2(D)	2021/ Question#42	1

5	The graph models the linear relationship between the number of monthly payments made on a loan and the remaining balance in dollars left to pay on the loan.  Which statement describes the x-intercept of the graph? **A** The x-intercept is 27,000, which represents the number of monthly payments needed to repay the loan. **B** The x-intercept is 60, which represents the number of monthly payments needed to repay the loan. **C** The x-intercept is 60, which represents the initial balance in dollars of the loan. [correct answer] **D** The x-intercept is 27,000, which represents the initial balance in dollars of the loan.	A.3(C)	2021/ Question#51	1