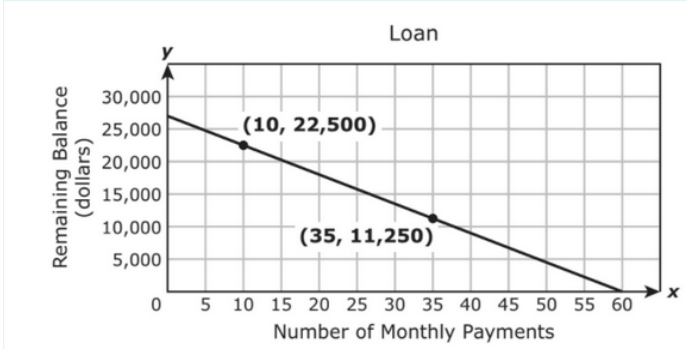


Unit 1 STAAR Review

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	<p>The table of values shows a linear relationship between x and y.</p> <table><thead><tr><th>x</th><th>y</th></tr></thead><tbody><tr><td>-7</td><td>9</td></tr><tr><td>-2</td><td>1</td></tr><tr><td>3</td><td>-7</td></tr><tr><td>8</td><td>-15</td></tr></tbody></table> <p>What is the slope of the line represented by the table of values?</p> <p>A $-\frac{8}{5}$ [correct answer]</p> <p>B $-\frac{5}{8}$</p> <p>C $\frac{8}{5}$</p> <p>D $\frac{5}{8}$</p>	x	y	-7	9	-2	1	3	-7	8	-15	A.3(A)	2021/ Question#17	1
x	y													
-7	9													
-2	1													
3	-7													
8	-15													
4	<p>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 $x = 28$?</p> <p>A 112 [correct answer]</p> <p>B 14</p> <p>C 32</p> <p>D 128</p>	A.2(D)	2021/ Question#42	1										

5	<p>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.</p>  <p>Which statement describes the x-intercept of the graph?</p> <p>A The x-intercept is 27,000, which represents the number of monthly payments needed to repay the loan.</p> <p>B The x-intercept is 60, which represents the number of monthly payments needed to repay the loan.</p> <p>C The x-intercept is 60, which represents the initial balance in dollars of the loan. [correct answer]</p> <p>D The x-intercept is 27,000, which represents the initial balance in dollars of the loan.</p>	A.3(C)	2021/ Question#51	1
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