



Unit 3 STAAR Review

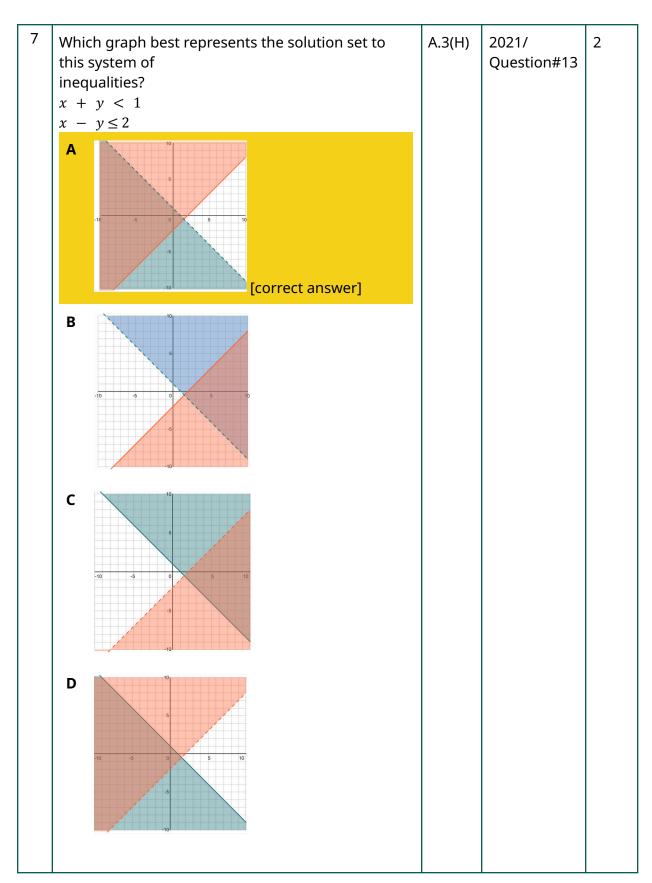
	Questio	า										TEKS	Exam/ Question#	Unit
1	The table shows the lengths and widths of several rectangles.									A.4(A)	2017/ Question#19	3		
	Height (in.)	70	21	34	10	92	54	24	35	42	66			
	Length (in.)) 25 32 12 16 45 40 23 35 21 14													
	What does the correlation coefficient for the data indicate about the strength of the linear association between the height and the length of these rectangles? A Weak negative correlation B Strong negative correlation													
	C Weak positive correlation [correct answer]													
	D Stro	ng p	ositiv	ve co	orrel	atio	n							

Question			TEKS	Exam/ Question#	Unit
A company advertise tracked the number number of clicks on shows the data for s can be used to mod	A.4(C)	2019/ Question#22	3		
Number of Visits to Website, \boldsymbol{x}	Number of Clicks on Advertisement, <i>y</i>				
153	14				
629	38				
471	30				
914	53				
307	21				
1045	60				
510	32				
1106	63				
Based on the table, the number of clicks people visit the web A 77 B 137	on the advertiseme				
C 83 [correct answ	wer]				
D 105					

	Qu	estion	TEKS	Exam/ Question#	Unit
3	Wh	ich situation best shows causation?	A.4(B)	2021/ Question#31	3
	A	The length of a rectangle affects the width of the rectangle.			
	В	The amount of time a cell phone is used affects the charge of its battery. [correct answer]			
	С	The number of ice-cream bars sold affects the number of milkshakes sold			
	D	The number of soccer balls a team owns affects the number of games the team wins during the soccer season.			

	Question	TEKS	Exam/ Question#	Unit
4	A zookeeper recorded the feeding schedule for a baby rhinoceros for 20 weeks. The table and scatterplot show the percentage of the baby rhinoceros's body mass that was used to determine the amount of food given at each feeding as a linear function of its age in weeks.	A.4(C)	2018/ Question#12	3
	2 4 6 8 10 12 14 16 18 20 22 Age (Weeks)			
	Age (weeks) 1 2 4 7 9 12 14 15 17 20			
	Percentage of Body Mass 20 19.5 17 15 14 13.5 12.4 11.6 11 9			
	What is the best prediction of the percentage of the baby rhinoceros's body mass that should be used to determine the amount of food given at each feeding when it is 25 weeks old? A 8.5%			
	B 6% [correct answer]			
	C 2.5%			
	D 10%			
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	Que	estion	TEKS	Exam/ Question#	Unit
5	Which situation does NOT show causation?			2018/ Question#25	3
	A When the student population at a school increases, the number of teachers at the school increases.				
	B When the amount of sugar in a quart of apple juice is reduced, there are fewer calories in each serving.				
	C When there are more workers on a project, the project is completed in less time.				
	D	D When there is more protein in an athlete's diet, the athlete scores more points in a game. [correct answer]			
6	Wha	at is the solution set for $-4x + 10 \ge 5x + 55$	A.5(B)	2018/ Question#30	2
	Α	$x \ge 5$			
	B $x \ge 45$ C $x \le -5$ [correct answer]				
	D	$x \le -45$			



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	Question					TEKS	Exam/ Question#	Unit
8		of ordered pa ohs of lines <i>f</i> a	oints	A.2(I)	2021/ Question#24	2		
	х	У	x	у				
	2	7	-3	4				
	4	10.5	-2	0				
	7	15.75	1	-12				
	11	22.75	4	-24				
	Which syste	em of equation	ons represe	ents lines f a	ind			
		$ \begin{array}{rrrr} 1. & 75x & + & 3. & 5 \\ 4x & - & 8 \end{array} $						
		1.75x + 3.5 4x - 2						
		$ 3. 5x + 1. 75 \\ 4x - 8 $						
		$ 3. 5x + 1.75 \\ 4x - 2 $						
9		e of x makes 10) = 7. 53		A.5(A)	2019/ Question#3	1		
	A 305							
	B -1							
	c -0.5							
	D 4 [corr	ect answer]						

	Question	TEKS	Exam/ Question#	Unit
10	The graph of linear function g passes through the points (-7 , -4) and (7, 6), as shown.	A.3(C)	2021/ Question#9	1
	What are the slope and y-intercept of the graph of g?			
	A The slope is $\frac{5}{7}$, and the y-intercept is -1 .			
	B The slope is $\frac{5}{7}$, and the y-intercept is 1. [correct answer]			
	C The slope is $\frac{7}{5}$, and the y-intercept is -1			
	D The slope is $\frac{7}{5}$, and the y-intercept is 1.			