



Unit 3 STAAR Review

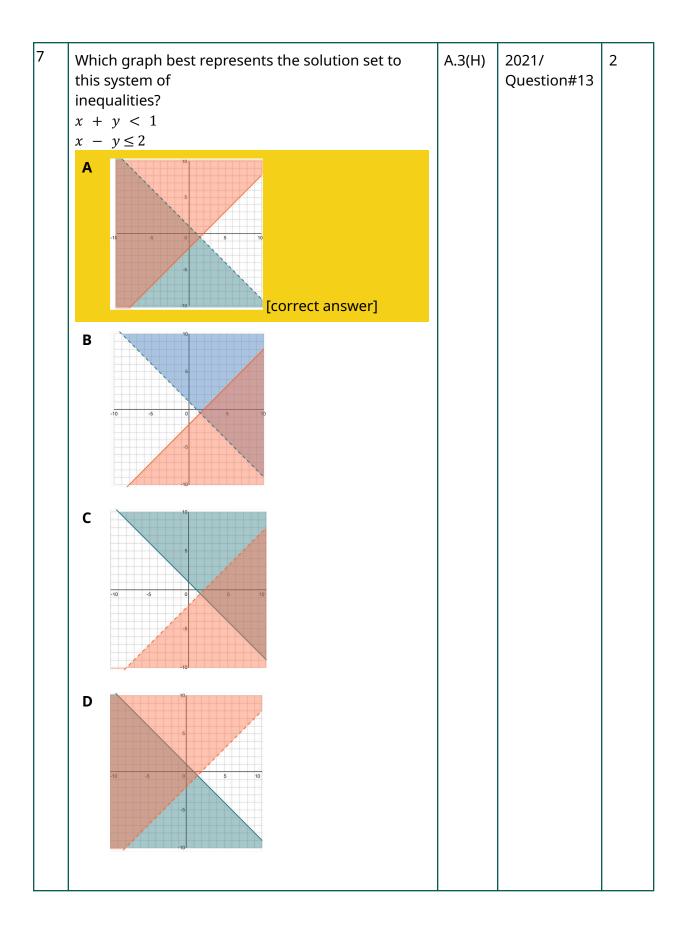
Que	estion											TEKS	Exam/ Question#	Unit
The table shows the lengths and widths of several rectangles.											A.4(A)	2017/ Question#19	3	
He (in	ight .)	70	21	34	10	92	54	24	35	42	66			
Ler (in	ngth .))	25	32	12	16	45	40	23	35	21	14			
What does the correlation coefficient for the data indicate about the strength of the linear association between the height and the length of these rectangles? A Weak negative correlation B Strong negative correlation														
С	Weak	(pos	sitive	e cor	rela	tion	[cor	rect	ansv	ver]				
D	Stron	ig po	ositiv	e co	orrel	atio	า							

	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, y				
	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	on the advertisem				
	B 137					
	C 83 [correct answ	wer]				
	D 105					

	Que	estion	TEKS	Exam/ Question#	Unit
3	Whi	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 soccerballs a team owns affects the number of games the team wins during the soccer season.			

Question							TEKS	Exam/ Question#	Unit
A zookeer baby rhing scatterplo rhinocero the amou linear fun	oceros fo ot show th s's body nt of foo ction of i	or 20 we ne perce mass th d given	A.4(C)	2018/ Question#12	3				
Age (weeks)	1 2	4 7	9	12 14	15	17 20			
Percentage of Body Mass	20 19.5	17 15	14 1	13.5 12.4	11.6	11 9			
What is th	ie best pr oceros's l		ass th	at shoul	d be	used	e		
to determ feeding w A 8.5%	correct ar	25 week		_	at ea	ch			

	Que	estion	TEKS	Exam/ Question#	Unit
5	Whi	ch situation does NOT show causation?	A.4(B)	2018/ Question#25	3
	A	When the student population at a school increases, the number of teachers at the school increases.			
	В	When the amount of sugar in a quart of apple juice is reduced, there are fewer calories in each serving.			
	С	When there are more workers on a project, the project is completed in less time.			
	D	When there is more protein in an athlete's diet, the athlete scores more points in a game. [correct answer]			
<u> </u>	_				
6	Wha	at is the solution set for $-4x + 10 \ge 5x + 55$	A.5(B)	2018/ Question#30	2
	Α	$x \ge 5$			
	В	$\mathbf{B} x \ge 45$			
	С	$x \le -5$ [correct answer]			
	D	$x \le -45$			



	Question					TEKS	Exam/ Question#	Unit
8		of ordered paths of lines f	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			
	<i>y</i> =-	1. $75x + 3.5$ 4x - 8						
		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		on		A.5(A)	2019/ Question#3	1
	A 305							
	B -1							
	c -0.5							
	D 4 [corr	rect answer]						

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