



Unit 3 STAAR Review

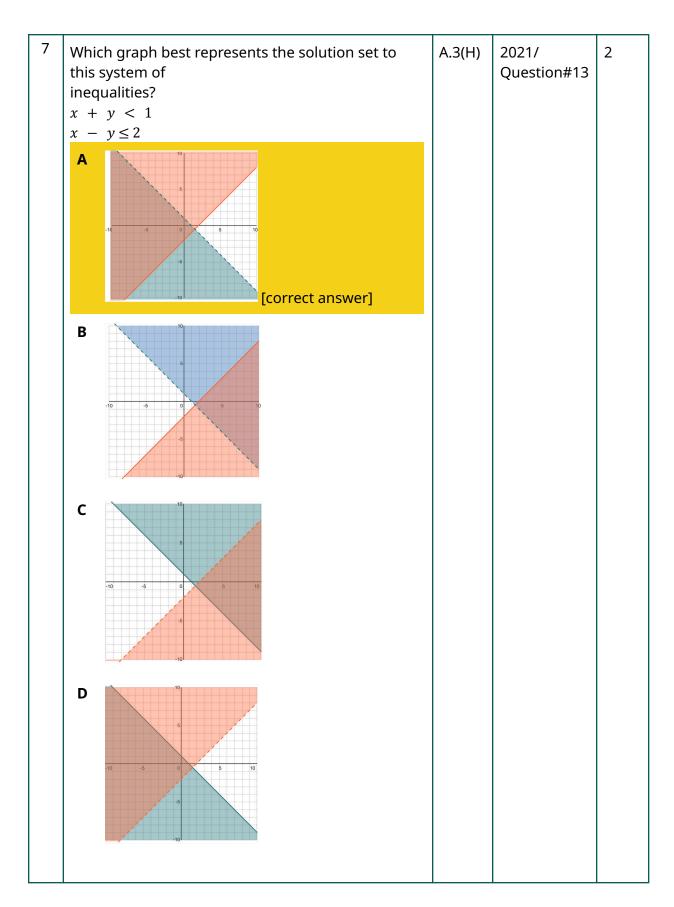
	Question											TEKS	Exam/ Question#	Unit			
1	The table shows the lengths and widths of several rectangles.										_						
	Height (in.)	70	21	34	10	92	54	24	35	42	66						
	Length (in.))	25	32	12	16	45	40	23	35	21	14						
	What does the correlation coefficient for the data indicate about the 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 Strong positive correlation																

	Question			TEKS	Exam/ Question#	Unit
2	A company advertise tracked the number number of clicks on shows the data for s can be used to mode	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 zookeer baby rhin scatterple rhinocero the amou linear fun	ocero ot sho s's bo nt of	os for ow the ody m food	20 we perce ass th given	eks. enta at w at e	The ge of as us ach f	table f the sed t	e and baby o det	, term		A.4(C)	2) 2018/ Question#12	3
	0 2	4	6 8	10 12 Age (Weel		16	18 20	22					
	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			
l k	What is the baby rhing to determ feeding with the second s	ocero ine th hen i	os's bo he am it is 25	ody ma nount 5 week	ass t of fo	that s	shoul	ld be	use				

	Que	estion	TEKS	Exam/ Question#	Unit
5	Whi	ich 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]			
6	Wha	at is the solution set for $-4x + 10 \ge 5x + 55$	A.5(B)	2018/	2
	?		,	Question#30	
	A	$x \ge 5$			
	В	$x \ge 45$			
	С	$x \le -5$ [correct answer]			
	D	$x \le -45$			



	Question					TEKS	Exam/ Question#	Unit
8		of ordered particles 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				
	g? A $y = y = 0$ B $y = y = 0$ C $y = y = 0$ D $y = 0$	1. $75x + 3.5$ - $4x - 8$ 1. $75x + 3.5$ - $4x - 2$ 3. $5x + 1.75$ - $4x - 8$ 3. $5x + 1.75$ - $4x - 8$	correct ar	·	ind			
9		ue of x makes - 10) = 7.53		on		A.5(A)	2019/ Question#3	1
	B -1							
	c -0.5							
	D 4 [co	rrect 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?			
	-5 0 5 10			
	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.			