4R Systems of Inequalities Graphing Review SHOW YOUR WORK FOR FULL CREDIT. NO WORK IN PEN.

1. Use the following system of inequality (two inequalities on the same graph).



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Per:

Name:

11.	In the a Austin Austin Austin	assignment 1A. J 's mother says th 's house, walking was $D_A = 200m$	osh stops at Au at Austin left a g quickly to cate + 600 and the e	stin's house on couple of minu ch up with Aus equation for Jos	his way to the g ites ago. Josh lea tin. The equation th was $D_J = 300n$	ym. wes n for n.				
	 a. Change Austin's equation to show that he may have been walking slower. b. Change Josh's equation to show that he may have been walking faster. 									
	c.	Graph both equ	ations.							
	d. e.	How many min Circle all the tin	utes does it nov nes and distanc	v take Josh to c es where they	catch Austin? could meet.	Explain:				-
Solve fo	or y. L: - 4x -	ist the slope, y-ir 2y + 7 > 1 − 3x	tercept and x-	intercept. Gra	n ph #12 13. −2 <i>y</i> ≤ 3	3(x-4) + y		•		· · · · · · · · · · · · · · · · · · ·
Slope:		y-int:	x-int:		Slope:	y-int:		x-int:	 	
b. c. <u>Write,</u> 15.	Is the Is the solve an The sur	point $(-2, 2)$ par point $(-2, -2)$ p nd graph Inequ e m of a number ar	t of your solution art of your solu allities all five <i>is fewer</i>	on set? tion set? <i>than</i> three time	_ Explain Explain es the number min	nus eight.				-
16.	Twice	e a number increa	nsed by seven <i>is</i>	s more than thr	ee times the num	ber decreased	l by two.			X
17.	Shanno donatio \$5.00 f a. De	on wants to sell b on but she has to for each bracelet efine your variabl	racelets for a fu buy \$20 in supp she sells. es:	indraiser. She plies. She expe	starts with \$15 as	s a ast				×
	b. Wi	rite an inequality	to show how m	nuch she can ea	rn					
	c. Sh sta	e decides that she rts. Write the ine	e can make no r quality for this	nore than 8 bra situation.	celets before the	fundraiser _				
	d. La	bel the y-axis by	\$5 and the x-ax	xis by 1.						
	e. Gr f. Cir	aph the inequalit	ies to show the set.	amount of mor	ney she can earn.					J