1. Write the equation of the line that passes through (-5, 7) and (3, 23)

$$m = \frac{23-7}{3+5} = \frac{16}{8} = 2$$

$$y - y_1 = m(x - x_1)$$

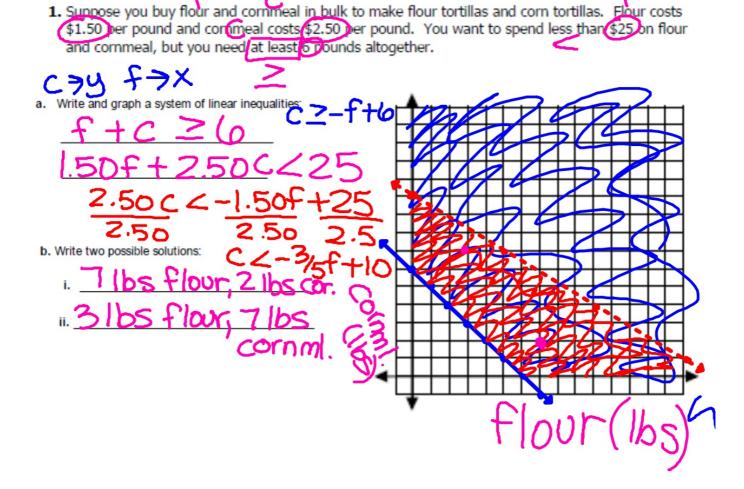
$$y - 7 = 2(x + 5)$$

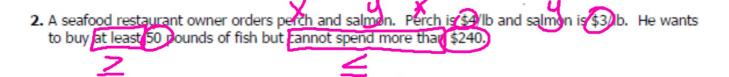
$$y - 7 = 2x + 10$$

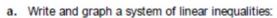
$$y - 7 = 2x + 17$$

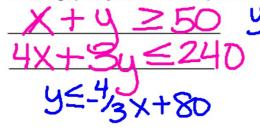
2. Solve for k:

3. Solve: y=2x



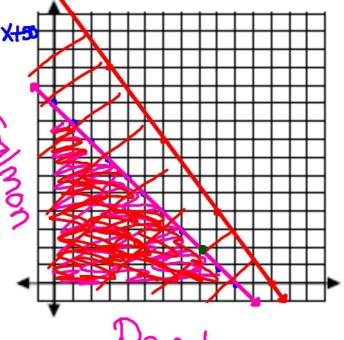






b. Write two possible solutions:





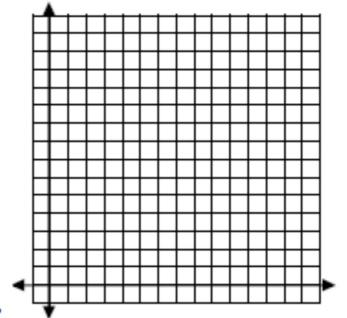
oper cost	"We Sell CDs" website plans rating budget will allow them \$30 to appear in the weekda at least 20 ads.	to spend at most \$3	30(00 (on t	this	adv	/ert	isin	g a	dv	ent	ure	. A	n a	d w	/ill
a. Write	e and graph a system of linear inequ	alities:	4	Ι,	_	_	_	_	Н	_		_	_	_	_	Н	ı
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b 186-4-	Accesses the selections.			П	П	Т	Т	Г	П		П	Т	Т	Т	Т	П	
b. write	two possible solutions:		П	П	\neg	o	\top	Т	П	\neg	\neg	╅	す	\top	\top	П	
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N	Mary knits scarves and sweaters to sell. Scarves ta Mary would like to spend no more than 40 hours poweek.															
a. V	Write and graph a system of linear inequalities:	ď		П	\exists	_			П	П	⇉	コ	\Box	⇉	⇉	⊐
		E	Н	\exists	\exists	\pm	\perp				\pm	\exists	\exists	\pm	\pm	\exists
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b. W	Vrite two possible solutions:	F			\dashv	#	İ			\Box	\Rightarrow	\exists	\exists	\dashv	#	╛
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 A clothing store has a going-out-of business sale. The \$3.99. You can spend as much as \$60 and want to 										d s	hirt	s f	or
a. Write and graph a system of linear inequalities:	ď		П	+	+	Н	7	+	+	П	Н	\dashv	\exists
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b. Write two possible solutions:				+	+		$\frac{1}{2}$	+	\pm	H	Н		\exists
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ii				\pm	\pm		\pm	\pm	\pm				\exists
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6.	You'd like to see how many baseball and soccer games you can attend this spring.	Travel time for
	baseball games is 2 hours and soccer games is 1 hour. You would like to spend no	more than 15
	hours traveling to the games. In total, you would like to attend at least 8 games.	

a.	Write and graph a system of linear inequalities:
	-
b.	Write two possible solutions:
	i
	ii
C	Suppose we decide on attending 4 baseball games, what is the range of soccer games you can attend?



- d. Suppose we decide on attending 9 soccer games, what is the range of baseball games you can attend?
- e. Is it possible to attend 6 baseball games and 4 soccer games?