## Applied Probability and Statistics - C955

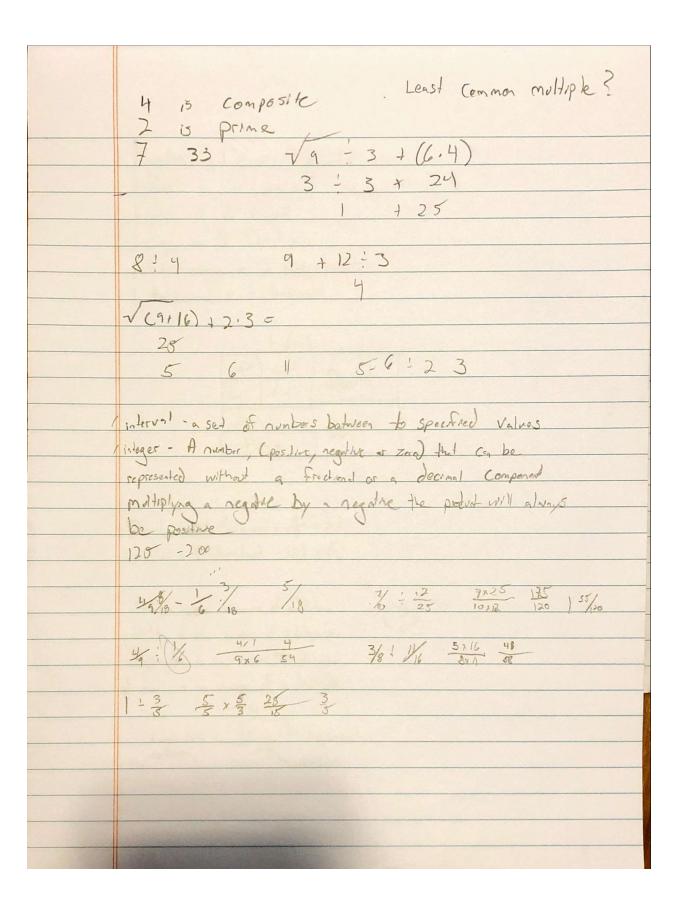
Saturday, May 22, 2021 6:55 AM

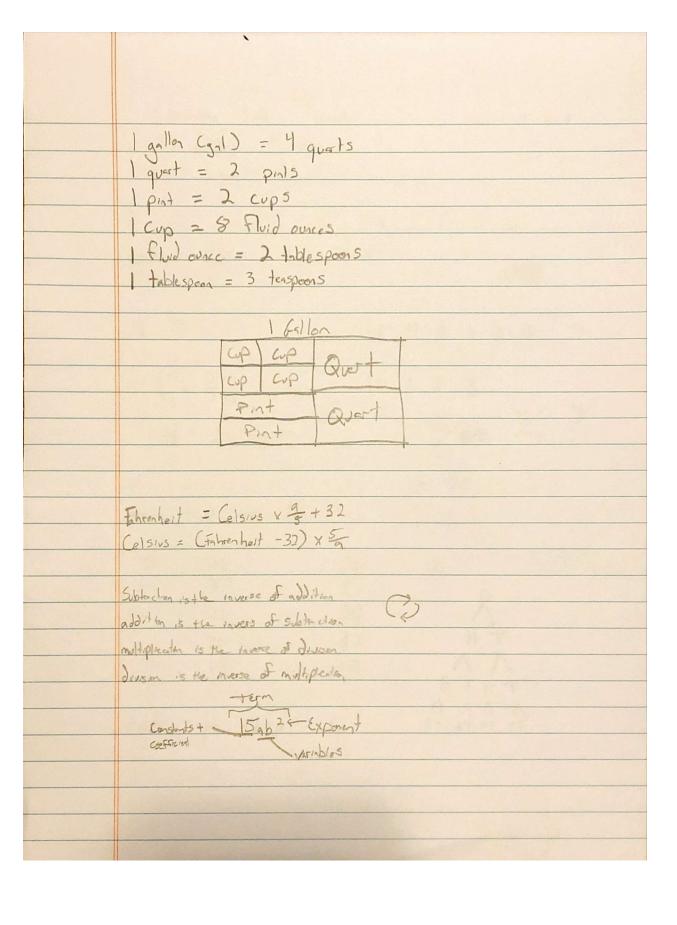
Control of the Contro	
	Need calculator
	7 is a positive integer
	-1.6 is a rational number beause it is a decimal whose
	expension ends (in addition to being a real number)
1	Ill is a positive integer Con addition to being a ratoral and
	Frank the less
	Greeker than less Then
	7 ( 2(314) 6+8=14
	2 12 111
	43 4,4 × 4 - minus - minus = + plus
	79(3/2-9)
	7 x x 3 h 2 - 7 a x o
	13 3 - 7 2 + 5 q - (2) 21 gh 2 - 7 q 2
	# of tesms = ty
	Constant = - 7a(510+3)
	What degree = - Fax5b + 7a +3
	coefficient of the q2 ten = -7 -35ab + -21q
	2
	26+36=56 (supefal) -4+(x-3)
	262+36 = 262+36 (Singlified) -4+y -12+
	54+3x+7-2 = 8x+5 (suppliced)
	5x2+9x-2+x2-x+7=6x2+8x+5 (simplified
	6
	$(3m+2) - \frac{(2n+6)}{2}$
	(3m+2)
	3m+2-

X350 5150 multiplying positive # by Negative # the product will always be paged moliphy a regular by a regular the product will always be profile even to do needed in nutrates expression will lead to postue stoduct Privilence posture by regular the quotient will always be regular.

Privilence explore by regular the quotient will be postule

miliphyma by a 0 = 0 place of Product of a product Any grand with a @ Copport = ) 124 714 28 Parenthes 18 Diseste. Exponent 1234 5 203060 Multiplication Division Aldison Agel Subtriction A compared his coffee factor offer than I t game to his 2 Factors I and itself



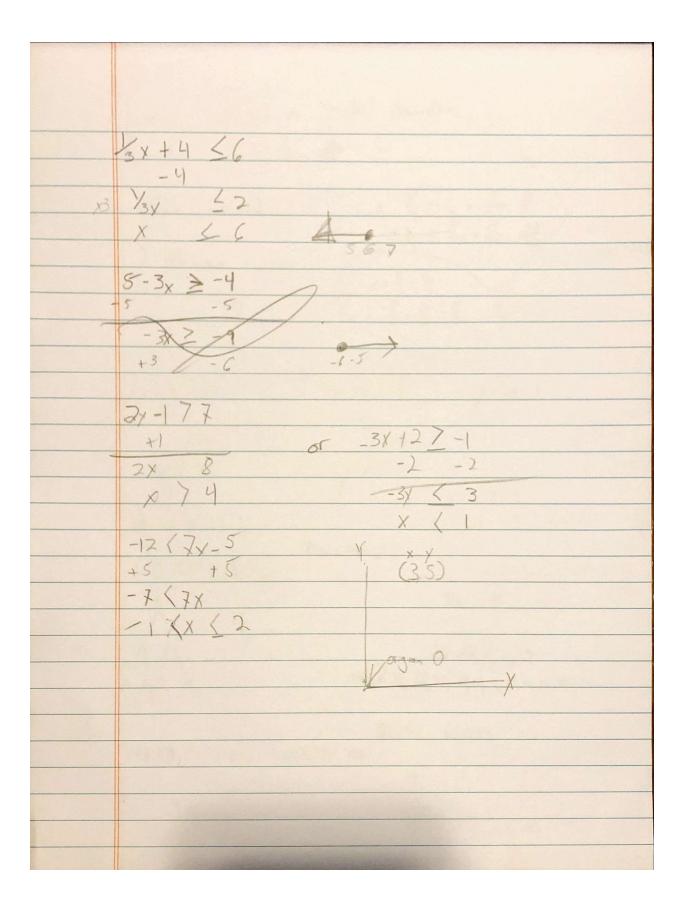


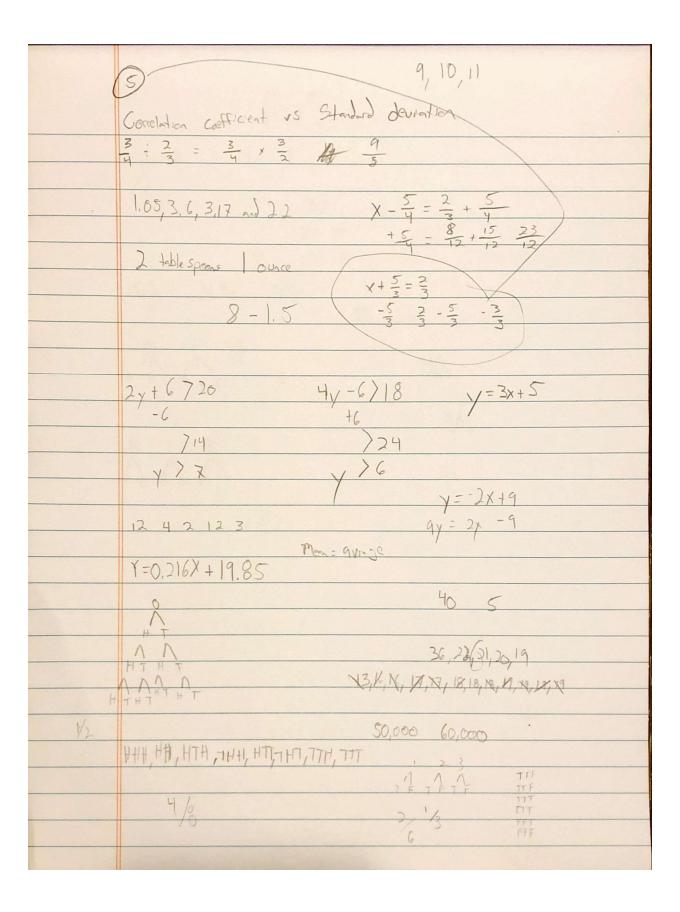
Combining Life Terms and on the
4x + 6x = 10x
9y-3y=6y
3:3 1.05 3,6,3,17,2,2
3×3 - 9 10,02
442 8 1980
13 12 4 2 1 2 3
$x - \frac{5}{1} = \frac{2}{3} = \frac{2}{3} = \frac{14}{3} = \frac{14}{3}$
- 15 = 6 - 11 - 15 = 6 - 11 32/80 /49 /11
12 9 3
10 26 10 12
men and deviation?
40 36 76 12 22 54 0
21 34 A 20 31 HT
20 32 HT
HTHT
rpb pb rbpr bp HT HTHTHT

Qualitative includes # of employees or solary
Qualitative includes the type of industry or occupation thes
Quatitative a Ka numerical data
Qualitative aka Categorical data
Customer experience is considered categorical
Graphical display for Categorical data = DIE Charts & Bar charts
Graphical displays for Categorical data = pre Charts + Bor charts Graphical displays for availative data = Dat plats, Stem gloss
Box plots and histograms
Type & display Type of data Usalul la display
Det plot qualitative of according to place value
By all a little of the service veloce
Box plot aventitable center, sprend, + outliers histogram Quantitative Shape and sprend
July 1
Symmetric Distrobution where the park is pronounced AKA Bell and
Skewed - Right Uniforned
Skewed-Left bi/multi madal
Skewed-Lat bi/multi madal
V Shaped
M
reliable data is both consistent and repeatable

Mean = Average median = hilfrity point of a set of valves not average mode: valve that occurs most often man deata set 47911 16 21, 25 25 31 33 39 40 range is the diffrace between the smallest and greatest It Quatiles are values that divide a data set into 4 groups interquatile range measures the differe between the third quartile and the First Council + 3m 1 Discrete Data - has distinct valves, can be control, had incenciled points · Continuous Dita - has values within a range, measured not counted down and have gots between the points. Days of the west are Crasples of discrete data , Cypessins - A group of symbols such as numbers and operators that has enothered cal validity " Consolutive - the order in which the numbers appear in the sun on be raward

	Quentofative variable - Height age warger revenue exam see
	Quentifative variable - Height age warger revenue exam sie Catagorical variable goods, monts of the year, zip codes
	Street mas?
	Categoria-1
	Fed of Car?
	Cantitative
	Salary 400
	Quantilative?
	Social-Security?
	Colegarica (
	Correlation coefficient / remember slope 1+>>-
L):	5 Causation V
	Simpsons paradox
	Linear Inequalities
	Algebraic and line or Expressions
	Coordinale Plane
	Numerical measures mean of 25 and deviation of 2
	Sample spaces and Evals
	men - How arch would such x equal
	medra. How much is the x in the middle?
	mode-which is the most common x?
	2x+377
	-3 -3
	3×74 ×72
	2 3





	(A) OT(CO)
	60 700/and
	123456
	1 23456
	2345¢ 20 T
	20 T
	1/3 12 B
	1266 1606 2060
	SB 56
	M F 50% M /N -33 A B C A B C 8
	A B C A B C 8
	4/1
	R P B
	R P B
	T B K B K I
	(2
	(D
The second secon	

White & Swine : 20% Byses 27 Deg = 21% Ed of Malue test Hypothian a aggretal periode present to less Force = Mass x Angelon 1944 V-(C) (98) =49N 105/40 N= 10×98

N= 10×98

N= 10×98