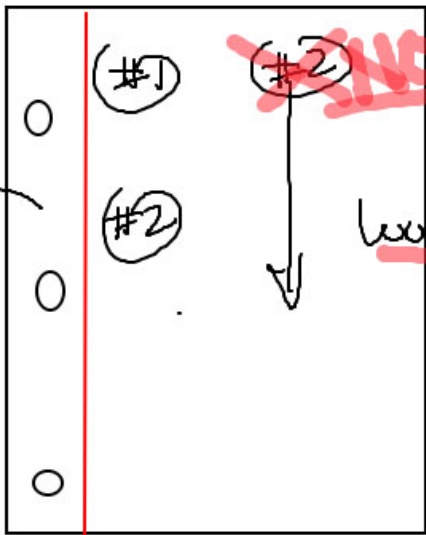


Probability & Statistics **Thursday, August 22, 2024**

CANVAS

Assignment Submission Guide Attachment

SINGLE PDF file



do not write in margin

work down page

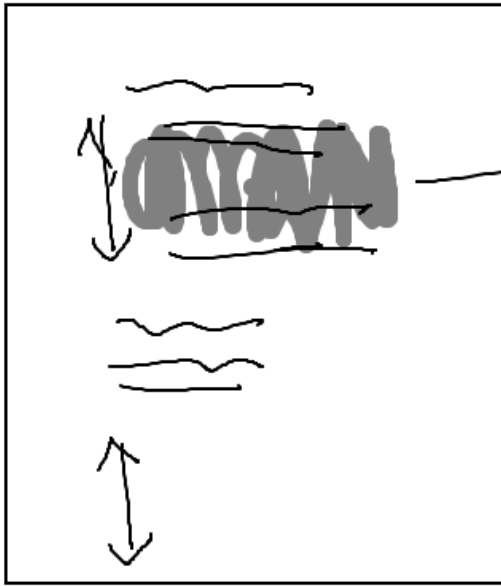
Front Only (not back)

Be neat Use Sharp #2 Pencil

Show your work

Correct answer by itself will receive NO CREDIT

Partial Credit Given

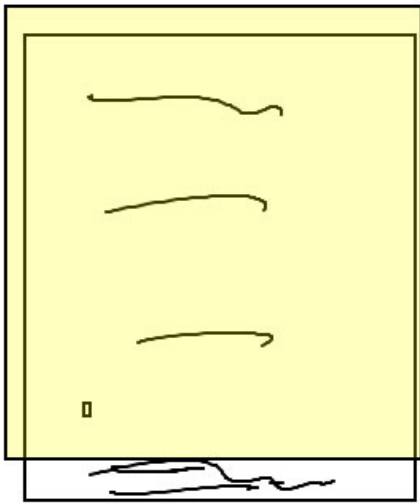


Not acceptable

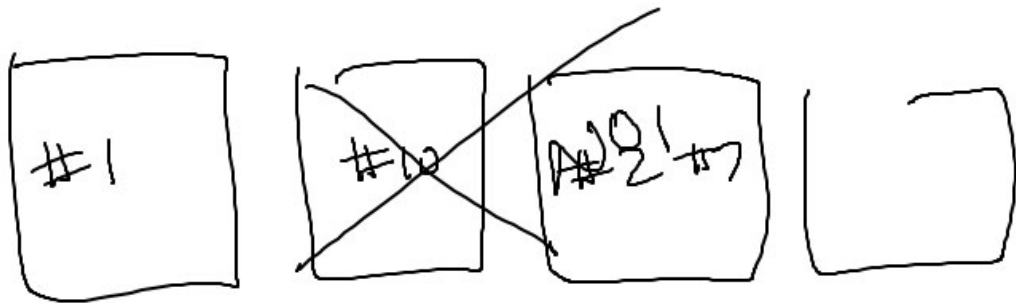


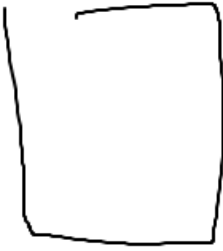
the PDF

Look At Your
Document
After you scan



Work must be in order





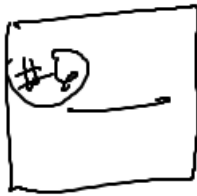
Must have a

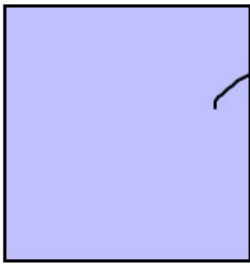
COVER

SHEET



see last page





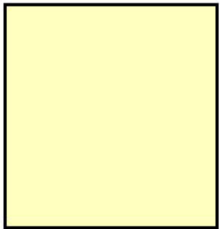
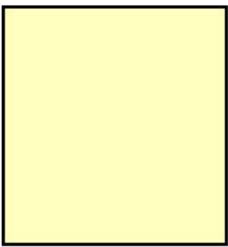
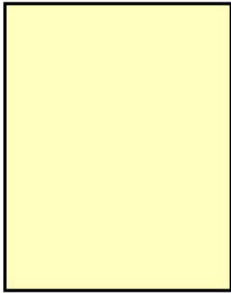
Cover Sheet

Legal

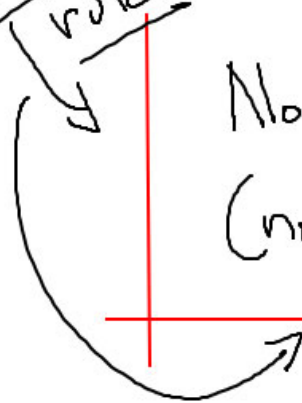
First Name Last Name

~~Address~~

Problem Assignment #1



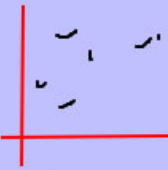
use a ruler



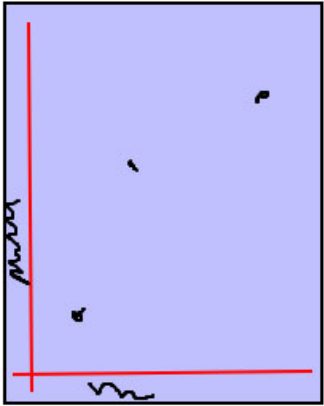
No postage stamps
(no full page ones either)

#4
#10

$\frac{1}{x}$
 $\frac{1}{x^2}$



Label Axes



Submissions —

PDF attachment to an email
to:

bndorton@hgs.k12.va.us



A READ-RECEIPT ✓ look this up

Subject Line

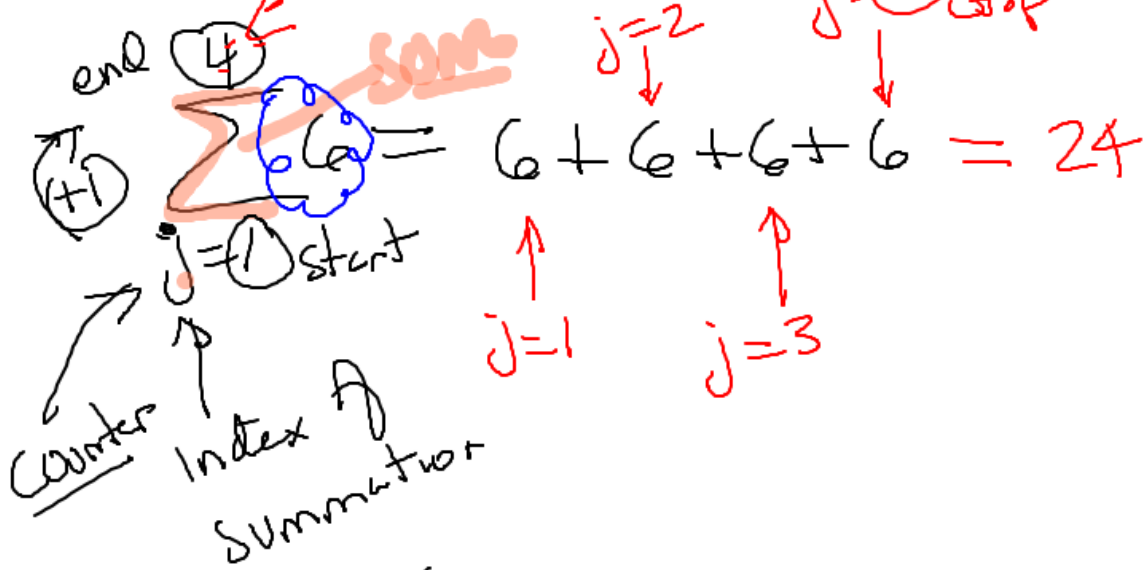
**NO CANVAS
SUBMISSIONS!**

CANVAS — Assignment

PDF — document — list probs
 and/or problem # →
point value → per problem & total for
assignment

| | | | | | | | |
|--------------------------|------------------|-----|-----|----|----|----------------------------|--|
| 8 probs 5 pts each | <u>40 points</u> | | | | | $\frac{28}{40} \checkmark$ | $\frac{374}{425} \Rightarrow \underline{\underline{88}}$ |
| possible | 40 | 100 | 120 | 75 | 90 | ↓ | 425 possible |
| actual | 28 | 90 | 115 | 63 | 78 | ↓ | 374 set |

Summation Notation



$$\sum_{j=1}^4 6 = 24$$

$$\sum_{h=-1}^1 3h^2 = 6$$

$$3h^2 = 3h^2 + 3h^2 + 3h^2$$

~~$\Rightarrow 9h^2$~~
NO!

⊕
1

stop

h = -1

h = -1

h = 0

h = 1

h → index of summation

h → counter part of each term

$$= 3h^2 + 3h^2 + 3h^2$$

-1 0 1

$$= 3(-1)^2 + 3(0)^2 + 3(1)^2$$

$$= 3 + 0 + 3 = 6$$

of values you have

$$\sum_{i=1}^n X_i = X_1 + X_2 + X_3 + X_4 + \dots + X_n$$

$X_i \rightarrow$

| | |
|----|----|
| 1 | 7 |
| 19 | 50 |

$$\sum X_i = 1 + 7 + 19 + 50$$

$$\sum_{i=1}^n X_i^2 = X_1^2 + X_2^2 + X_3^2 + \dots + X_n^2$$
$$= 1^2 + 7^2 + 19^2 + 50^2 \checkmark$$

$$\sum_{m=2}^5 \frac{3m^2}{(m-1)} = \frac{3m^2}{(m-1)} \Big|_{m=2} + \frac{3m^2}{(m-1)} \Big|_{m=3} + \frac{3m^2}{(m-1)} \Big|_{m=4} + \frac{3m^2}{(m-1)} \Big|_{m=5}$$

$$= \frac{3(2)^2}{(2-1)} + \frac{3(3)^2}{3-1} + \frac{3(4)^2}{(4-1)} + \frac{3(5)^2}{(5-1)}$$

$$= \frac{\binom{12}{1}}{\binom{12}{1}} + \frac{\binom{6}{2}}{\binom{6}{2}} + \frac{\binom{4}{3}}{\binom{4}{3}} + \frac{75}{4} \binom{3}{3}$$

$$= \frac{144 + 162 + 192 + 225}{12} = \frac{723}{12} = \frac{241}{4}$$

QR — part of chp 2 ✓
+
chp 3 ✓

