

**Probability & Statistics**

**Friday, August 23, 2024**

PA #2 — posted later today

8-12  $\Sigma$  problems — due 1 week from today

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exponent assignment (PA #1)

MUST SHOW "EXTRA" WORK

future  
BUT NOT  
NOW

$$\frac{x^6}{x^3} = x^3$$

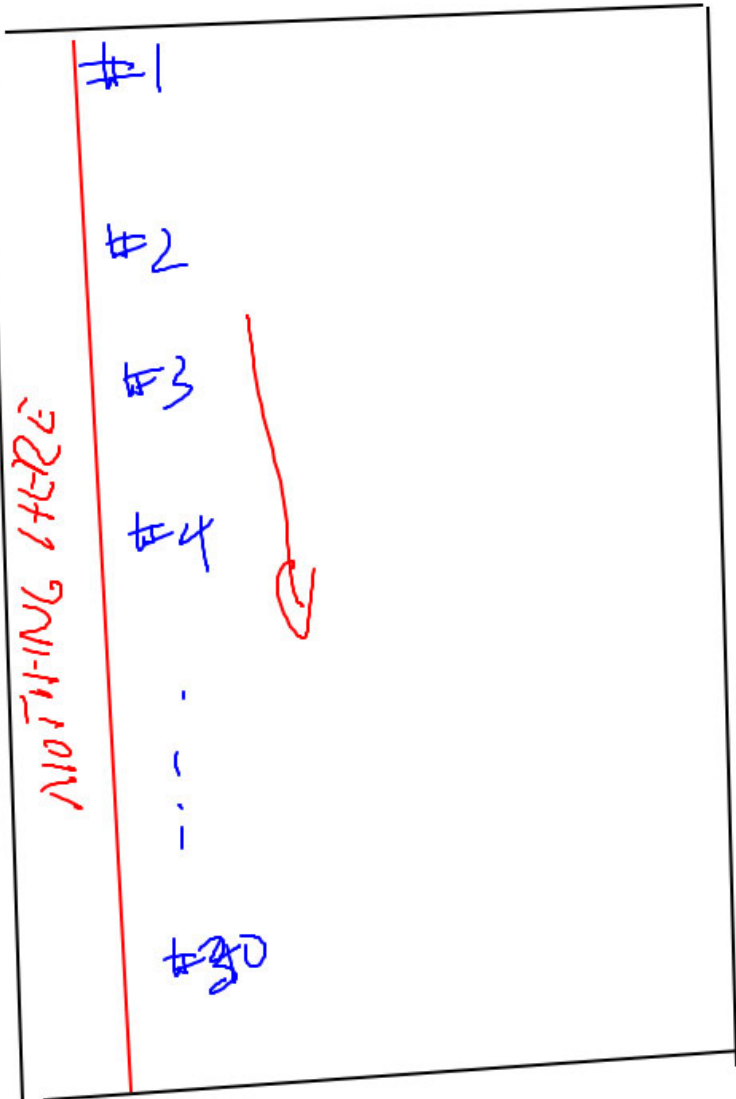
~~XXXX~~

MUST SHOW RULE(S)  
USING

$$\frac{x^6}{x^3} = x^{6-3} = x^3 \checkmark$$

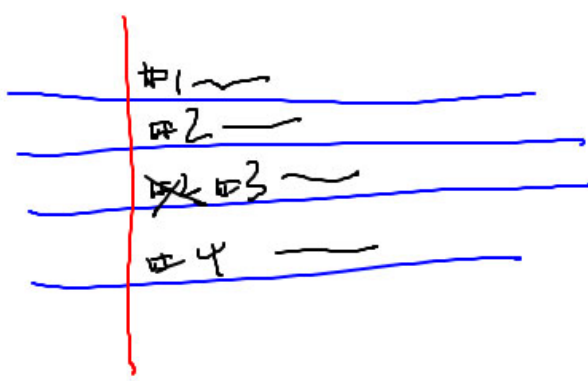
OR

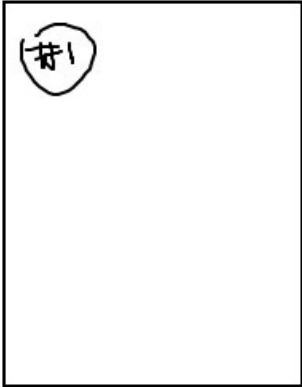
$$\checkmark x^6 x^{-3} = x^{6+(-3)} = x^3$$



NEAT

BIG ENOUGH  
 NOT A <sup>for me to read</sup>  
 PAPER CONSERVATION  
CLASS!





First & Last Name ✓  
Probability & Statistics ✓  
PA #1  
Problem Assignment #1  
One

All

Problem Assignments must have a

READ RECEIPT

Will not accept any work w/o a  
read receipt

Textbook — QR (blue)  
text

READ SECTIONS 2.1 & 2.2

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UNIT 1

(Plus: 2.1 & 2.2 then all of chp 3 + off and on;  
Coding)

6.3 inches  $\rightarrow$  ft

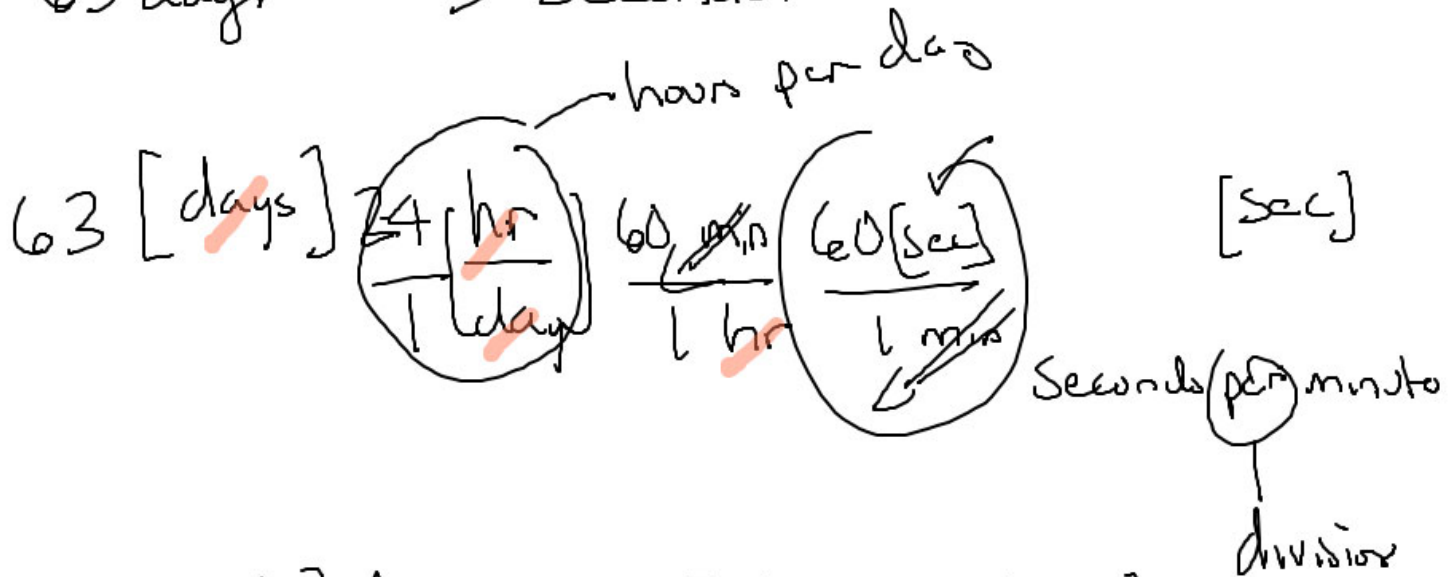
$$6.3 \frac{[\cancel{\text{in}}] \cdot [\text{ft}]}{[\cancel{\text{in}}]} = 6.3 \frac{[\cancel{\text{in}}] \frac{1[\text{ft}]}{12[\cancel{\text{in}}]}}{1} = .525 \text{ ft}$$

$$6.3 \text{ in} = .525 \text{ ft}$$

$$12[\text{in}] = 1[\text{ft}]$$

$$12 \text{ in/ft} \quad \left( \frac{1 \text{ ft}}{12 \text{ in}} \right)$$

63 days  $\rightarrow$  Seconds?



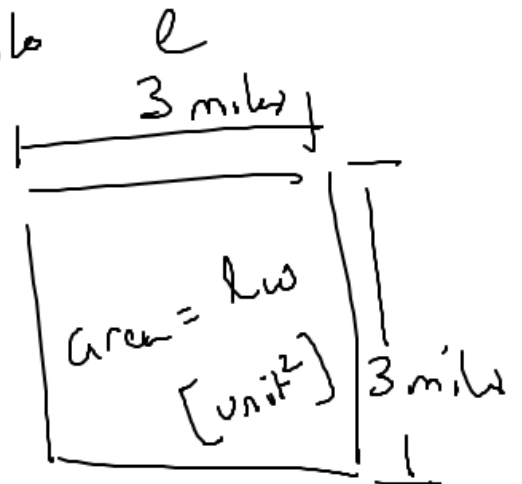
$$\underline{63 \text{ days}} = 5443200 \text{ [sec]}$$



pg 34 — Quick Quiz 2A

$$\text{O} \frac{\$}{\text{gal}} \text{O} \left( \frac{\text{mils}}{\text{gal}} \right) = \text{O} \frac{\$}{\text{mils}}$$

$$\left[ \frac{\$}{\text{gal}} \right] \times \frac{\text{gal}}{\text{mils}} =$$



$$\underline{3} \text{ miles} \times \underline{3} \text{ miles} = 9 \text{ [miles}^2\text{]}$$