Test #1 Monday — Sept 9th

Open Book (textbook) / Closed Notes

Math "review" + 2A & 2B (plus)

factorials, summation notation, exponent rules

Unit Analysis

Exam Time: 10:00 am — 11:00

(1 hr test)

"Test"

PA #3 due time will advance to 3:00 pm on Friday

6 days — how many seconds?

$$6\,[\text{days}]\;24\left[\frac{\text{hrs}}{\text{day}}\right]\;\frac{60\,[\text{min}]}{1\,[\text{hr}]}\;\frac{60\left[\frac{\text{sec}}{1\,\text{min}}\right]}{} = 518400\,[\text{sec}]$$

5pts ✓ ✓ ✓ full credit

$$6(24)(60)(60) = 518400$$ — ½ pt max → 0

download PDF from Canvas

(print) work on your notebook paper)

DO NOT WORK ON YOUR TEST DOCUMENT — any work on "test" submitted will not be graded

Only your notebook paper work needs to be scanned and emailed as PDF. (+) "hono- sheet"

* You do not need to log into Dysaus to count test

Questions during test — what do you do?

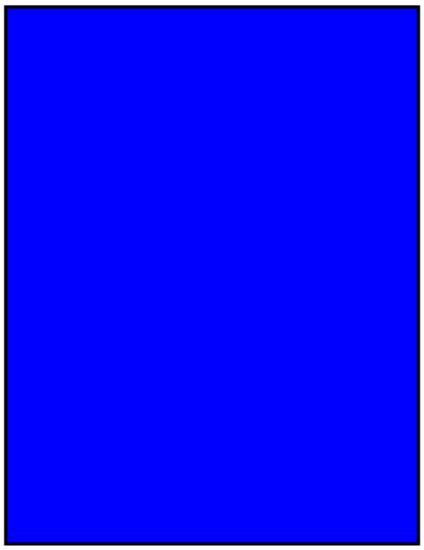
DO NOT EMAIL ME! I am not watching email during the test

Instead..

* Log into Dysaus & ask (send private chat)

* CALL ME — HGS technical support number

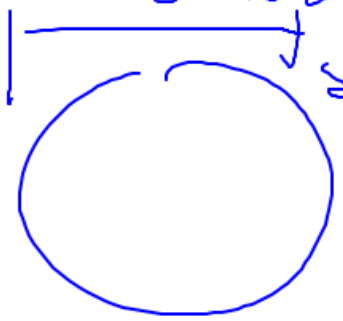
813-507-9956



Senior Project

2B Page 102 Does it make Sense

~1ft ~30.5 cm — dia $r = \frac{30.5}{2}$



$r = 15.25\ cm$

$\frac{4}{3}\pi r^3$ — volume

$\rho = 10\ \frac{g}{cm^3}$

$\frac{4}{3}\pi (15.25)^3\ [cm^3] \cdot 10\ \frac{g}{cm^3}$

volume

$\approx 148266.66\ g$

$\approx 148.27\ [kg]$

furlong 10 (.125) = 1.25 miles

10 furlongs → miles

pg 84 (1 furlong = ~~40 rods~~ = $\frac{1}{8}$ mile)

$\frac{\frac{1}{8} \text{ mile}}{1 \text{ furlong}}$

$10 \text{ furlongs} \left(\frac{\frac{1}{8}}{1}\right) \frac{\text{mile}}{\text{furlongs}}$ ✓ = (miles)

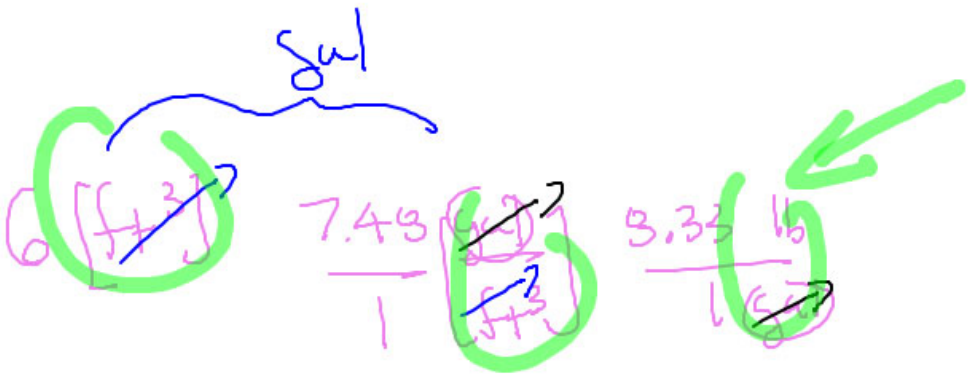
$10 \text{ furlongs} \left(\frac{.125 \text{ mile}}{1 \text{ furlong}}\right)$ ✓ =

#17

1 ft^3 holds 7.48 gallons of water

1 gallon of water weighs 8.33 [lb_f]

weight 6 cubic feet



$= 373.85 [\text{lb}]$

$6 \left(7.48\right) 3.33$