

PRECALCULUS

Thursday, Aug. 14

Sec. 0-1 p. P5 (*special pages at front of book*)

9-16, 20, 21, 23

Interval Notation Problems on back
of this sheet

Check calculator settings! (See back)

Things to do by Fri., Aug. 22

(& earn extra credit):

*Complete Google Form Survey

*Sign up for Remind (*Extra Credit!*)

Send text to: 81010

P2: @ncprecalc2

P3: @ncprecalc3

Monday, Aug. 18

Sec. 1-1 pp. 9-11

17-28, 31a, 33b, 49, 52, 76

Domain Handout

Answer to 33b: $\frac{375x^3}{25x^2+5x-4}$

Wednesday, Aug. 20

Sec. 1-6 pp. 61-63

31, 35, 39

Function Operations Handout

Journals Due Next Class!

Extra Credit
Friday is the last day to sign up
for Remind & complete the
Google form survey to earn
extra credit!

Friday, Aug. 22

Quick Review of Matrix Equations

Review Functions Unit

Journal Due

Tuesday, Aug. 26

FUNCTIONS TEST

EVEN ANSWERS

Sec. 0-1 pp. P5

- 10. True; 8 is not an element of A
- 12. False; Not all of the elements of U are also elements of A.
- 14. True; 2 is an element of E
- 16. True; 6 is not an element of F.
- 20. $\emptyset$

Sec. 1-1 pp. 9-11

- 18. not a function
- 20. function
- 22. not a function
- 24. not a function
- 26. not a function
- 28. function
- 52. a) \$700, \$2282.50, \$16,886.25
b) \$728.50
- 76. a) $A = \frac{C^2}{4\pi}$
b) 0.02, 1.27
c) As the circumference increases, the area increases.

Calculator Settings:

- 1) From the Home screen:
 - a. Select a Scratchpad Calculate page
 - b. Press Doc--#7--#2
 - c. Set Display Digits to "Float"
 - d. Set Angle to "Degree"
- 2) From the Home screen:
 - a. Select a Scratchpad Graph page
 - b. Press Menu--#8
 - c. Set Display Digits to "Auto"
 - d. Set Geometry Angle to "Degree"

INTERVAL NOTATION

On a separate piece of paper, (a) graph each interval on a number line, (b) find and shade the indicated intersection or union, (c) write the solution in interval notation.

- 1. $(-\infty, 5] \cup (-1, 84)$
- 2. $[-17, -8] \cap [-15, -2]$
- 3. $[(-\infty, -3) \cup [5, \infty)] \cap (-7, 20)$
- 4. $(-8, \infty) \cup (-\infty, -6)$
- 5. $(-\infty, 0) \cup [-3, 1] \cup (1, 2)$
- 6. $[-7, -2] \cap (-2, \infty)$

INTERVAL NOTATION ANSWERS

- 1. $(-\infty, 84)$
- 2. $[-15, -8)$
- 3. $(-7, -3) \cup [5, 20)$
- 4. $(-\infty, \infty)$
- 5. $(-\infty, 2)$
- 6. $\emptyset$