

Administrative Stuff

CIS 1068

Assignment 8. Note due date

Reading: up to ch 8. 9 soon

Midterm 2: March 31 in class

March 26, 2026



Midterm 2

March 2026

Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

you'll need

Pencils

Your TUID. It's a number
(9xxxxxx)

Which section (1 - 6)? It's on your schedule

Tuesday, March 31 in class
covers chapters 1 - 8 (up to
and include beginning
classes)

practice problems

John-Paul review session
Saturday at 7

cheat sheet. handwritten
only. what to include

up to 2 bonus points for
cheat sheet if it meets all:

your name
your correct TUID
your correct section
number

it's handwritten



Last Time

started a Bug class

more on arrays of Point

deep comparison of Point and equals()



Today

- equals() implementation
- deep copy and clone()
- method overloading
- composition
- review?



Bug class

Write a `Bug` class that models a bug moving along a horizontal line, either to the right or to the left. Initially, the bug moves right, but it can turn to face either direction. Every time it moves, it moves one unit in the direction it's facing.

every bug has

- a name ✓
- a position ✓
- a direction ✓

methods

constructor accepts name as parameter ✓
other methods:

```
turn() ☐
move() ☐
getPosition() ☐
```

- toString() ✓
- equals() ☐
- clone() ☐

