

# Midterm Review

November 4, 2008

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## Midterm

- ⦿ Thursday, November 6 in class, closed book, closed notes, but I will provide a cheat sheet
- ⦿ Covers only Java, material through Scope (Oct. 28 + public/private of Oct. 30)
- ⦿ Types of questions, sample on line:
  - ⦿ What does it do? - like our mystery programs
  - ⦿ Vocabulary - I provide a program and ask you to identify all parameters, all methods, etc.
  - ⦿ Find a bug - I provide a program and ask you to find the bug in it.
  - ⦿ Declare variables - I provide a program and ask you to insert appropriate variable declarations
  - ⦿ Write a short method

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# Java Concepts

- ⦿ You should know what all of these terms mean and how to use these in Java:

Class	Object	Constructor
Method	Parameter	Method signature
Instance variable	public/private	Local variable
Assignment statement	If statement	Condition
Constant	Type	double
int	boolean	Color

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# objectdraw Concepts

- ⦿ FrameWindowController
  - ⦿ begin method
  - ⦿ mouse event handling
- ⦿ Basic shapes (FilledRect, Line, Text, etc.)
  - ⦿ How to create them
  - ⦿ Methods we have used commonly on them
- ⦿ Random number generation

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## Things you should know

- ◉ Dragging algorithm
- ◉ Centering algorithm
- ◉ Delegation
- ◉ Given a method signature, how to call the method
- ◉ Passing parameters
- ◉ Mouse event handling

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## Studying for Exam

- ◉ Study in groups
- ◉ Read the book! (You've been doing this, right?)
- ◉ Look at exercises in the book.
- ◉ Review slides and examples, focusing on understanding code, not generating code.

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