

**Comp 110**  
**Sample (partial) Midterm**  
**Examination**

**4 November 2012**

**NAME:** \_\_\_\_\_

Answer all questions on the test paper. No calculators or any other electronic devices may be used during the test. The exam is a closed book exam. Show all of your work. The test is 75 minutes long.

1. (15 pts) Given the following definitions and operations provide the resulting values for the indicated items

a. `int n = 6`  
`final int m = 12;`  
`n /= m;`  
`m /= n;`

n

m

b. `int n = 17;`  
`final int m = 3;`  
`int p, q;`  
`p = n/m;`  
`q = n%m;`

p

q

c. The expression `(char) ('a' + Math.random() * ('a' - 'd'));`  
returns a random character between \_\_\_\_\_ and \_\_\_\_\_.