Program Logic and File Processing Multiple Choices
1. Which of the following is a properly reversed version of the following Boolean

expression, according to De Morgan's Laws?

(2 == 3) && (–1 < 5) && isPrime(n)

a. (2 != 3) && (–1 > 5) && isPrime(n)

b. (2 == 3) || (–1 < 5) || isPrime(n)

c. !(2 == 3) && !(–1 < 5) && !isPrime(n)

d. (2 != 3) || (–1 >= 5) || !isPrime(n)

e. !(2 != 3) || !(-1 < 5) || isNotPrime(n)

2. Which of the following is the correct syntax to declare a Scanner to read the
file example.txt in the current directory?
a. Scanner input = new Scanner("C:\example.txt");
b. Scanner input = new Scanner(new File("example.txt"));
c. Scanner input = new File("\\example.txt");
d. File input = new Scanner("/example.txt");
e. Scanner input = new Scanner("C:/example.txt");

3. Given the following line of input, what tokens does a Scanner break the line
apart into?
welcome...to the matrix.
a. "welcome", "to", "the", "matrix"
b. "welcome...to the matrix."
c. "welcome...to", "the", "matrix."
d. "welcome...", "to", "the matrix."
e. "welcome", "to the matrix"

4. Given the following lines of input, what tokens does a Scanner break the line
apart into?
in fourteen-hundred 92
columbus sailed the ocean blue :)
a. "in", "fourteen-hundred", "92"
b. "in", "fourteen-hundred", "92", "columbus", "sailed",
"the", "ocean", "blue", ":)"
c. "in", "fourteen", "hundred", "92", "columbus",
"sailed", "the", "ocean", "blue"
d. "in", "fourteen-hundred", "92\ncolumbus", "sailed",
"the", "ocean", "blue :)"

e. "in fourteen-hundred 92", "columbus sailed the ocean blue :)"