

AP Chapter 5 Worksheet 2 if-else Statements

Name _____

1 of 2

Pts: 15

class hour _____

I. What is the output of the following poorly indented code fragments?

1) somenumber = 100;
 if (somenumber > 50)
 System.out.print("first ");
 System.out.print("second ");
 System.out.print("third");

1) _____

2) somenumber = 40;
 if (somenumber > 50)
 System.out.print("first ");
 System.out.print("second ");
 System.out.print("third");

2) _____

3) somenumber = 100;
 if (somenumber > 50)
 {
 System.out.print("first ");
 System.out.print("second ");
 }
 System.out.print("third");

3) _____

4) somenumber = 40;
 if (somenumber > 50)
 {
 System.out.print("first ");
 System.out.print("second ");
 }
 System.out.print("third");

4) _____

5) somenumber = 100;
 if (somenumber > 50)
 System.out.print("first ");
 else
 System.out.print("second ");
 System.out.print("third");

5) _____

6) somenumber = 40;
 if (somenumber > 50)
 System.out.print("first ");
 else
 System.out.print("second ");
 System.out.print("third");

6) _____

7) **if** ((5.2 > 3.3 && 6.2 < 9.9) && (6.2 < 3.5 || 4.2 == 3.1 || 3.1 != 3.14))
 System.out.print("TRUE");
 else
 System.out.print("FALSE");

7) _____

II. Do **back** of paper!

OVER

II. Answer Yes or No: (1 pt each)

1) If the body of the **if** contains only a single statement then are braces required around the statement? 1) _____

2) Is the expression $!(x > 10)$ equivalent to the expression $x < 10$? 2) _____

III. Write a single Java **if-else** statement that outputs the value of character variable GRADE if GRADE is equal to 'A', or, 'B', or 'C', or 'D', or 'F' otherwise output the message "Input Error". (3 pts each)

1) Use the *equal* relational operator in the **if** expression:

2) Redo the problem, but this time use the *not equal* relational operator in the **if** expression:
