Chapter 4 Critical Thinking Answers

1.

a) if (grade > 90) {

System.out.println("Great job!");

}

b) if (number < 20 || number > 50) {

System.out.println("Error");

}

c) if (y < 100) {

y += 2;

}

2.

if (num1 > num 2) {

System.out.println("First number is larger.");

} else if (num2 > num1) {

System.out.println("Second number is larger.");

} else {

System.out.println("Numbers are equal.");

}

3.

a) The first blank should be even, the second blank should be odd.

b) x = (num % 2);

switch (x) {

case 0: System.out.println("even number"); break;

default: System.out.println("odd number"); break;

}

4.

a) (int)(50 * Math.random() + 1);

b) (int)(81 * Math.random() + 20);

c) 11 * Math.random() + 10;