1. What is the difference between a variable and a constant?
2. Explain what each of the lines below does. Be sure to indicate how each is different from the others.
   1. int x;
   2. int x = 3;
   3. x = 3;
3. The following program reads three integers and prints the average. Fill in the blanks so that it will work correctly.

// \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

// Average.java

//

// Read three integers from the user and print their average

// \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

import java.util.Scanner; public class Average

{

public static void main(String[] args)

{

int val1, val2, val3; double average;

Scanner scan = new Scanner(System.in) ;

// get three values from user System.out.println("Please enter three integers and " +

"I will compute their average");

//compute the average

//print the average

}

}