Study the program skeleton below. The program creates an array of student grades, and a method is used to calculate the average of the grades and return it to the main() method. You must supply the code in the indicated places, and compile and run the program.

// Program to calculate the average of student grades using a method

// The average is displayed with two decimal points: 83.67

public class CalculateGrades

{

public static void main( String [] grades )

{

int [] studentGrades = { 79, 85, 92, 90, 76, 80 };

**// … enter your code here …**

}

public static double calculateAverage( int [] grades )

{

**// … enter your code here …**

}

}

Here’s a sample run of the program:

A screenshot of a computer program

AI-generated content may be incorrect.