**CSC 18A Quiz #3 (25 pts)**

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Electronic devices MAY NOT be used on this quiz, with the exception to only online textbook.

1. What is the **value returned** in the following function named: **mystery\_one** in the following Java program? ( 15 points )

public class Quiz\_3\_question\_1

{

public static int mystery\_one(int[] x, int a) {

int result = 0;

for( int i = 0; i < x.length; i++ )

{

result += x[i]\*a;

}

return result;

}

public static void main(String[] args)

{

int[] arr = { 3,4,2,1,5 };

System.out.println("Return value is: "+mystery\_one(arr,3));

}

}

**Answer: The returned value is 45.**

1. What is the **value returned** in the following function named: **mystery\_two** in the following Java program?

( 10 points )

public class Quiz\_3\_question\_2 {

public static double mystery\_two(double[] x) {

double result = 1;

for( int i = 0; i < x.length; i++ ) result \*= x[i];

return Math.pow(result, 1.0/x.length);

}

public static void main(String[] args) {

double[] arr = { 4.3, 5.1, 6.8, 1.2, 0.4 };

System.out.println("Result is: "+mystery\_two(arr));

}

}

**Answer: The returned value is 5√71.57952**