## Computer Programming Unit 1 WS03a Random Numbers

For the code below, decide the purpose of each line in terms of its job in selecting a random number from 1 to 10. When finished, enter the code into NetBeans and run the class 5 times.

Line 1

int v;

Line 1 Line 2	double r=Math.random();
Line 3	v=(int)((10*r)+1);
Line 4 Line 5	System.out.println("I will pick a random integer from 1 to 10.\n"); System.out.println("I chose "+v+".");
Line 3	System.out.printing renose +v+ . );
What is the purpose of Lin	ne 2?
In Line 2 why is the years	hla 'w' dafinad as a daubla instand of as an integral?
in Line 2, why is the varia	ble 'r' defined as a double instead of as an integer?
In Line 1, why is the varial	ble 'v' defined as an integer instead of as a double?
What is the range of values	s for 'r' from line 2? Use $<$ , $\le$ , $>$ , and $\ge$ symbols to write your answer.
In Line 2, what is the range	a of values for 10*r? Head < > and > symbols to write your enswer
in Line 3, what is the range	e of values for $10*r$ ? Use $<$ , $\le$ , $>$ , and $\ge$ symbols to write your answer.
In Line 3, what is the range	e of values for $(10*r)+1$ ? Use $<$ , $\le$ , $>$ , and $\ge$ symbols to write your answer.
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In Line 3, what is the purp	ose of (int)? Be specific.
La Line 4 what is the man	acc of the \m2
In Line 4, what is the purp	USC OI THE MI!
What were the five randon	n numbers you got when running the program 5 times:
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