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Principles of Software Quiz 1 September 13 10 points total
Question 1. (2 pts) It is safe to assume that local method variables (variables declared within the body of a method) are always initialized to zero or null. (a) true (b) false
Question 2. (2 pts) Java uses (a) the reference model for variables. (b) the value model for variables. (c) a mixed model for variables.
<pre>Question 3. (2 pts) The Java code public class Cat{ String name; public Cat(String name){</pre>
prints
(a) true(b) false
Question 4. (2 pts) The Java code String s1 = new String("ab"); String s2 = s1 + "c"; System.out.println(s1 == s2);
prints
(a) true (b) false
Question 5. (2 pts) Consider the following set of pre and postconditions for a method: bool is_digitl(char letter) // Precondition: letter is a char in the range // 'A' 'Z', 'a' 'z', 09 // // Postcondition: The value returned by the function is true if letter is a digit;
// false

```
Ques bool // // // // // // // // // ...
```

What is the result of the following call

```
is_digit('?');
```

(a) true

- (b) false
- $\left(c\right)$ The result is undetermined.
- (d) An exception is thrown.