Question 1	1 pts
(True/False) The following class declaration is possible:	
public class Foo extends A, B {	
}	
○ True	
○ False ✓	

Question 2	1 pts
When writing an equals method, are we attempting to do an <b>overload</b> or an <b>o</b> equals method in the superclass?	override of the
○ overload	
○ overrride	

Question 3	1 pts
(True/False) The following class declaration is possible:	
public class Foo extends A implements B, C {	
}	
○ True ✓	
○ False	

Question 4 2 pts

Suppose you are doing Java programming at the "command prompt", and that you have already compiled the file "Clown.java", which contains a main method. What instruction would you type at the command prompt to run the main method in the Clown class?



Question 5 2 pts

Using the ternary operator (?:), write a single statement that is equivalent to the following code fragment. Be sure that the assignment operator only occurs once in your statement. DO NOT INCLUDE ANY SPACES IN YOUR ANSWER.

```
if (x < 5) {
   y = 20;
} else {
   y = 50;
}</pre>
```

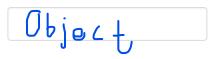
Question 6 2 pts

Write a statement that declares a variable, x, that could refer to an ArrayList of Cats. DO NOT INCLUDE ANY SPACES IN YOUR ANSWER.

Acraylist (COE) X;

•

What type of variable should be used for the parameter of the equals method?



Question 8 2 pts

When doing Java programming at the "command prompt", what instruction would you type at the command prompt to compile a Java source code filed named "Clown.java"?



Question 9 3 p	ts
In the code fragment below, which of the following types could the variable x be? (Select a that apply.)	all
switch(x) {  }	
□ int	
☐ double ☐ long ☐ Object	
□ char ✓ □ short ✓	

Question 10 3 pts

Assume that c is a collection of Cat objects. What would you enter in the blank below in order to print all of the cats in the collection using a for-each loop? Note that we are printing the variable x.

```
System.out.println(x);
}
```



,	Question 11	3 pts
	Which of the following could be cases in a switch statement where the variable at the type int? (Select all that apply.)	e top is
	☐ case x: // assume x is an int variable that is not final	
	case foo(): // assume foo() returns type int	
	□ case 4: ✓	
	case x<5:	

Question 12	3 pts
Assume that the class Dog is an extension of a class called Animal, and implements the Runner interface. Which of the following statements make sense? (Select all that app	
□ Dog a = new Animal();	
☐ Runner c = new Dog(); ✓	
☐ Dog d = new Runner();	
☐ Animal b = new Dog(); ✓	