

CSE 8B
Winter 2006
Quiz #2

Name _____ ID _____

(12 pts.) 1. Fill in the following blanks as necessary, assuming we want:

- Dog to be a subclass of Animal
- The default constructor of dog to call the Dog constructor with 1 argument
- The Dog constructor with 1 argument to call the Dog constructor with 2 arguments
- The Dog constructor with 2 arguments to initialize the dog with the given weight and color

```
public class Animal __blank__ {
    private int animalWeight;
    public Animal(int weight) { animalWeight = weight; }
    ...
}

public class Dog _extends Animal_____ {
    private Color furColor;
    private static final Color DEFAULT_COLOR = Color.black;
    private static final int DEFAULT_WEIGHT=52;
    public Dog() {
        _this_(DEFAULT_COLOR);
    }

    public Dog(Color color) {
        _this(color, DEFAULT_WEIGHT);_____
    }

    public Dog(int weight, Color color) {
        _super(animalWeight);__
        _furColor = color;__
    }
}
```

(12 pts.) 2. Complete the following sentences:

A subclass inherits _____ **methods and instance variables** _____
_____ from its superclass. A subclass can override
_____ **(non-private) methods** _____ from its superclass.

