

Chapter 6 Homework

Multiple Choice

- | | | |
|------|-------|-------|
| 1. C | 6. C | 11. A |
| 2. A | 7. B | 12. C |
| 3. B | 8. C | 13. A |
| 4. C | 9. D | 14. B |
| 5. A | 10. A | |

True and False

- | | | |
|-----------|-----------|-----------|
| 15. False | 18. True | 21. False |
| 16. False | 19. False | 22. True |
| 17. False | 20. True | 23. True |

Find the Error

This is just better code:

```
public class TwoValues
{
    private int x = 0, y = 0;
}
```

The error was two constructors; if they were overloaded the parameters would have to have been different.

Algorithm Workbench

```
public enum Pet { DOG, CAT, BIRD, HAMSTER };
```

Short Answer

1. You cannot access any of the class's instance members.
2. They allow classes to be used as a way of grouping similar utility methods.
3. -
 - a. 3
 - b. 3
 - c. 0
 - d. 0
 - e. Thing.putThing(10);
4. The parameter lists must be different and are used to differentiate overloaded methods.
5. It allows a method to be more flexible while still concentrating on one task.
6. Variables pass by value of the primitive, objects pass by value of the object reference.