

## Chapter 9 Homework

### Multiple Choice

- |      |       |       |
|------|-------|-------|
| 1. B | 7. C  | 13. B |
| 2. C | 8. B  | 14. C |
| 3. D | 9. A  | 15. A |
| 4. B | 10. C | 16. C |
| 5. A | 11. A |       |
| 6. A | 12. D |       |

### True and False

- |           |           |           |
|-----------|-----------|-----------|
| 17. True  | 21. True  | 25. False |
| 18. True  | 22. False | 26. True  |
| 19. True  | 23. False | 27. True  |
| 20. False | 24. True  | 28. False |

### Find the Error

```
public class Vehicle
{
    protected double cost;
    // ...
}
public class Car extends Vehicle
{
    public Car(double c)
    {
        cost = c;
    }
}
```

### Algorithm Workbench

First Felis, then Tiger.

### Short Answer

- For example, in the Find the Error problem above, Car is a Vehicle.
- Animal is the superclass, Dog is the subclass.
- Dog is the superclass, Pet is the subclass.
- A protected member is available to the class, classes within the package, and subclasses. A private member is available only to the class.
- No, private members are not at all available outside the class.
- The superclass's constructor gets called first.