{{{questionNumber}}}. What will be the output of the following program?

```
class Base
{     public:
        virtual ~Base() { cout << "Destructing Base "; }
};

class Derived : public Base
{     public:
        virtual ~Derived() { cout<< "Destructing Derived "; }
};

int main() {
    Base* b = new Derived;
delete b;
}
```

A. [Correct Answer] "Destructing Derived Destructing Base "
B. None of the above
C. "Destructing Derived "
D. [Your Answer] "Destructing Base Destructing Derived "
E. "Destructing Base "

{{{questionNumber}}}. Suppose `class pictureRep` contains exactly one pure virtual function: the overloaded parentheses operator, `int operator()(int i, int j)`. Also suppose that `class hardPNG` is a `public pictureRep` that implements `operator()`. Which of the following C++ statements will certainly result in a compiler error? Make sure to read **all** options carefully.

A. None of the code options will result in a compiler error.
B. `pictureRep * a = new hardPNG; hardPNG * b; a = b;`
C. [Your Answer] Exactly two of the code options will result in a compiler error.
D. `hardPNG * a = new hardPNG;`
E. [Correct Answer] `hardPNG * a = new pictureRep;`

{{{questionNumber}}}. What will be the output of the following program?

```
class Base
{     public:
        ~Base() { cout << "Destructing Base"; }
};

class Derived : public Base
{     public:
        virtual ~Derived() { cout<< "Destructing Derived"; }
};

int main() {
    Base* b = new
Derived;
delete b; }
```

A. None of the above
B. Compiler error
C. "Destructing BaseDestructing Derived"
D. [Your Answer] "Destructing Derived"
E. [Correct Answer] "Destructing Base"

{{{questionNumber}}}. Consider the following class definitions:

```
class
Test{ public:
    int fun()
const; private:
double score;
};

class Midterm: public
Test { public:     int
games();
};
```

Where could the assignment `score = 90.0;` appear for the private variable `score`?

A. [Your Answer] `fun()` can make the assignment, but `games()` cannot.
B. Both `fun()` and `games()` can make the assignment.
C. The answer to this question cannot be determined from the given code.
D. [Correct Answer] Neither `fun()` nor `games()` can make the assignment.
E. `games()` can make the assignment, but `fun()` cannot.