Due No due date Points 15 Questions 15 Time Limit 30 Minutes Allowed Attempts Unlimited

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Attempt History

	Attempt	Time	Score
KEPT	Attempt 4	14 minutes	15 out of 15
LATEST	Attempt 4	14 minutes	15 out of 15
	Attempt 3	12 minutes	14 out of 15
	Attempt 2	16 minutes	15 out of 15
	Attempt 1	21 minutes	14 out of 15

① Correct answers are hidden.

Submitted Jul 22 at 11:23pm

Question 1	1 / 1 pts
What is printed when you run this code?	
<pre>int num = 0; int *ptr = # num = 5; *ptr += 5; cout << num << " " << *ptr << endl;</pre>	
O Undefined; none of these	
10 10	
O 5 10	
O 5 5	
O 10 5	



Question 3	1 / 1 pts
All of these are legal C++ statements; which of them uses the C++ dereferencing operator?	
int a = 3, b = 4;	
O int *p = &b	
None of these use the dereferencing operator.	
O int y = a * b;	
<pre> int x = *p; </pre>	
○ z *= a;	

Question 4	1 / 1 pts
What is printed when you run this code?	
<pre>int n{}; int *p; *p = &n cout << *p << endl;</pre>	
O None of these	
O No compilation errors, but undefined behavior when run	
○ The address value where <i>n</i> is stored	





Will not compile		
The value 0 (stored in n)		

Question 5	1 / 1 pts
What is true about this code?	
<pre>int n{500}; int *p = &n</pre>	
○ &p represents the indirect value of n	
O &p is the direct or explicit value of n	
O p stores the same value as n	
O &n is the indirect value of p	
*p is the value of n	

Question 6	1 / 1 pts
Which of these is the preferred way to initialize a pointer so that it points to "nothing"?	
O vector <int> *vp(NULL);</int>	
O Star *ps = NULL;	
O double *pd = 0;	
All are equally preferred.	
<pre> int *pi = nullptr; </pre>	

Question 7	1 / 1 pts
Assume that <i>ppi</i> correctly points to <i>pi</i> . Which line prints the address of <i>ppi</i> ?	
<pre>int main() { double pi = 3.14159; double *ppi; // code goes here // code goes here }</pre>	
<pre>cout << *ppi; cout << &ppi</pre>	
O cout << π O cout << ppi;	
O None of these	

```
What is printed when you run this code?

int *p = &0;
cout << *p << end1;

The address value where p is stored

No output; compiler error.

No compilation errors, but undefined behavior

The address value 0

The word "nullptr"
```

```
Question 9

Assume that ppi correctly points to pi. Which line prints the size (in bytes) of pi?

int main()
{
    double pi = 3.14159;
    double *ppi;
```

```
// code goes here
// code goes here
}

Cout << sizeof(*pi);

Out << sizeof(&ppi);

Cout << sizeof(ppi);

Cout << sizeof(ppi);

Cout << sizeof(*ppi);
</pre>
```

Question 10	1 / 1 pts
What is printed when you run this code?	
<pre>int n{};</pre>	
<pre>int *p = &n *p = 10; n = 20;</pre>	
cout << *p << endl;	
○ The address of n	
O 10	
О в	
O None of these	
② 20	

Question 11	1 / 1 pts
What is true about an uninitialized pointer?	
O None of these are true	
O Dereferencing it will cause a program crash	
Dereferencing it is undefined behavior	
O It is set to the nullptr value	
O Dereferencing it is safe, but has no effect.	

```
Question 12

Examine the following code. What is stored in a after it runs.

int f(int * p, int x) {
    *p = x * 2;
    return x / 2;
}
...
int a = 3, b, c;
c = f(&b, a);

2

6

3

O Does not compile

1
```

```
Reamine the following code. What is stored in c after it runs.

int f(int * p, int x) {
    *p = x * 2;
    return x / 2;
}
int a = 3, b, c;
c = f(8b, a);

6
2
0 Does not compile
3
0 1
```