

Take the Quiz Again

Attempt History

	Attempt	Time	Score
KEPT	Attempt 1	9 minutes	10 out of 10
LATEST	Attempt 2	14 minutes	9 out of 10
	Attempt 1	9 minutes	10 out of 10

⚠ Correct answers are hidden.

Submitted Jul 21 at 3:53pm



Question 1

1 / 1 pts

What is printed?

```
int a[] = {1, 2, 3};
int b[] = {1, 2, 3};

if (a == b) cout << "a == b" << endl;
else cout << "a != b" << endl;
```

- ☐ Syntax error; does not compile.
- ☐ Undefined behavior
- ☒ a != b
- ☐ a == b

Question 2

1 / 1 pts

Which pointer initialization is illegal?

```
int a[] = {1, 3, 5, 7, 9};
```

- ☒ int *p4 = &a;
- ☐ int *p3 = &a[1];
- ☐ int *p1 = a;
- ☐ int *p2 = a + 3;
- ☐ None of these

Question 3

1 / 1 pts

Which prints the number of elements in *a*?

```
int a[] = {1, 2, 3};
```

- ☒ None of these
- ☐ cout << sizeof(a[0]) << endl;
- ☐ cout << a.length << endl;
- ☐ cout << sizeof(a) << endl;
- ☐ cout << a.size() << endl;

Question 4

1 / 1 pts

Which line has *undefined* output?

```
double speed[5] = {. . .};
```

- ☐ cout << speed[1] << endl;
- ☒ cout << speed[5] << endl;
- ☐ None of these
- ☐ cout << speed[0] << endl;
- ☐ cout << speed[4] << endl;



Question 50.5 / 0.5 pts

C++ arrays have no support for bound-checking.

☒ True

☐ False

Question 60.5 / 0.5 pts

In C++ there is no separate array variable. The array name is a symbolic representation of the address of the first element in the array.

☒ True

☐ False

Question 70.5 / 0.5 pts

The elements of a C++ array created outside of a function are allocated on the stack.

☐ True

☒ False

Question 80.5 / 0.5 pts

The elements of a C++ array created in a function are allocated in the static storage area.

☐ True

☒ False

IncorrectQuestion 90 / 1 pts

Which returns the last pixel on the first row of this image?

```
Pixel *p;    // address of pixel data
int w, h;    // width and height of image
```

☐ p[w - 1]

☐ None of these are correct

☐ *p[w - 1]

☒ p[w] - 1

☐ p + w - 1

Question 101 / 1 pts

What is the equivalent *array notation*?

```
int dates[10];
cout << (dates + 2) << endl;
```

☐ dates[0] + 4

☐ dates[0] + 2

☐ dates[2]

☒ &dates[2]

☐ dates[2] + 2

Question 111 / 1 pts

Which returns the last pixel on the first row of this image?

```
Pixel *p;    // address of pixel data
int w, h;    // width and height of image
```

☐ None of these are correct

☐ *p + w - 1

☐ *(p + w) - 1

☒ *(p + w - 1)

☐ p + w - 1

Question 12

1 / 1 pts

What is the equivalent **array notation**?

```
int dates[10];  
cout << *(dates + 2) << endl;
```

☒ dates[2]

☐ dates[0] + 4

☐ &dates[2]

☐ dates[2] + 2

☐ dates[0] + 2

