Q-19

Due No due date **Points** 10 **Questions** 12 **Time Limit** 30 Minutes **Allowed Attempts** Unlimited

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Attempt History

	Attempt	Time	Score
KEPT	Attempt 4	8 minutes	10 out of 10
LATEST	Attempt 4	8 minutes	10 out of 10
	Attempt 3	9 minutes	10 out of 10
	Attempt 2	14 minutes	9 out of 10
	Attempt 1	9 minutes	10 out of 10

Correct answers are hidden.

Submitted Jul 23 at 1:51am

Question 1

1 / 1 pts

Which line throws and `out_of_range` exception?

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

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

Question 2

1 / 1 pts

Which array definition produces ***{1, 2, 0}***?

```
int SIZE = 3;
int a1[SIZE];
int a2[3];
int a3[3]{};
int a4[] = {1, 2, 3};
int a5[3] = {1, 2};
```

- None of these
- a1
- a2
- a5
- a3

Question 3

1 / 1 pts

Which array definition is initialized to all zeros?

```
int SIZE = 3;
int a1[SIZE];
int a2[3];
int a3[3]{};
int a4[] = {1, 2, 3};
int a5[3] = {1, 2};
```

- None of these
- a1
- a2
- a5
- a3

Question 4

1 / 1 pts

What is stored in the last element of ***nums***?

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

- Undefined value
- `0`
- `2`
- Syntax error in array declaration
- `1`

Question 5 — 0.5 / 0.5 pts

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

- True
- False

Question 6 — 0.5 / 0.5 pts

Explicitly initializing an array like this: ***`int a[3] = {1, 2, 3};`*** requires the size to be the same or smaller than the number of elements supplied.

- True
- False

Question 7 — 0.5 / 0.5 pts

In C++ using == to compare one array to another is permitted (if meaningless).

- True
- False

Question 8 — 0.5 / 0.5 pts

The size of the array is stored along with its elements.

- True
- False

Question 9 — 1 / 1 pts

What is the equivalent ***array notation***?

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

- `dates[0] + 2`
- `dates[2]`
- `&dates[2]`
- `dates[0] + 4`
- `dates[2] + 2`

Question 10 — 1 / 1 pts

What is the equivalent ***array notation***?

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

- `&dates[2]`
- `dates[2] + 2`
- `dates[2]`
- `dates[0] + 2`
- `dates[0] + 4`

Question 11

1 / 1 pts

What is the equivalent ***array notation***?

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

- (●) `dates[0] + 4`
- ( ) `dates[0] + 2`
- ( ) `&dates[2]`
- ( ) `dates[2] + 2`
- ( ) `dates[2]`

Question 12

1 / 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]`**