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 7	8 minutes	10 out of 10
LATEST	Attempt 7	8 minutes	10 out of 10
	Attempt 6	6 minutes	10 out of 10
	Attempt 5	9 minutes	10 out of 10
	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 2:16am

Question 1

1 / 1 pts

Which array definition contains undefined values?

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

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

Question 2

1 / 1 pts

Which expression returns the number of countries?

```
string countries[] = {"Andorra", "Albania", . . . };
```

- **None of these**
- sizeof(countries)
- len(countries)
- sizeof(countries) * sizeof(countries[0])
- countries.length

Question 3

1 / 1 pts

What does the array ***a*** contain after this runs?

```
int a[] = {1, 2, 3};
int b[] = {4, 5, 6};
a = b;
```

- **Syntax error; does not compile.**
- {1, 2, 3}
- Undefined behavior
- {4, 5, 6}

Question 4

1 / 1 pts

Which expression returns the number of countries?

```
string countries[] = {"Andorra", "Albania", . . . };
```

- len(countries)

- `sizeof(countries) * sizeof(countries[0])`
- **`sizeof(countries) / sizeof(countries[0])`**
- `sizeof(countries)`
- None of these

Question 5

0.5 / 0.5 pts

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

- True
- **False**

Question 6

0.5 / 0.5 pts

If ***`size_t len = 0`***; then ***`len - 1`*** is the largest possible unsigned number.

- **True**
- False

Question 7

0.5 / 0.5 pts

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

- True
- **False**

Question 8

0.5 / 0.5 pts

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

- **True**
- False

Question 9

1 / 1 pts

What is the equivalent ***address-offset notation***?

```
int a[] = {1, 2, 3, 4, 5, 6, 7};
int *p = a;

cout << a[1] * 2 << endl;
```

- `*p + 1 * 2`
- **`*(p + 1) * 2`**
- None of these
- `p + 1 * 2`
- `(*p + 1) * 2`

Question 10

1 / 1 pts

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

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

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

Question 11

1 / 1 pts

What prints?

```
int a[] = {1, 3, 5, 7, 9};
int *p = a;
cout << *p++;
cout << *p << endl;
```

- None of these
- 13
- 22
- 12
- 33

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
```

- *p[w - 1]
- None of these are correct
- p + w - 1
- **p[w - 1]**
- p[w] - 1