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## SubSection3

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# Header 1

  Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

## Header 2

- unordered list 1
  - i. inline LaTex:  $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$
- unordered list 2
  - i. ordered sublist 1
  - ii. ordered sublist 2
- unordered list 3
  - sublist 1
  - sublist 2

## Header 3

### Header 4

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# Images



Internal:



External:

## Syntax highlighting:

```
#include <iostream>
int main(void){
    std::cout << "hello world" << std::endl;
    return 0;
}
```

# LaTex

When  $a \neq 0$ , there are two solutions to  $(ax^2 + bx + c = 0)$  and they are

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

# Admonitions

## ⓘ NOTE

A note block

code in admonition block

```
#include <iostream>
int main(void){
    std::cout << "hello world" << std::endl;
    return 0;
}
```

Latex in admonition block

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$



Internal:



External:

 **TIP**

A tip block code in admonition block

```
print("This line will be printed.")
```

Latex in admonition block

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$



Internal:



External:

### ⚠ CAUTION

A caution block code in admonition block

```
#include <iostream>
int main(void){
    std::cout << "hello world" << std::endl;
    return 0;
}
```

Latex in admonition block

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$



Internal:



External:

## 🔥 DANGER

a danger block code in admonition block

```
#include <iostream>
int main(void){
    std::cout << "hello world" << std::endl;
    return 0;
}
```

Latex in admonition block

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

Internal:



External:



## Table

| col 1 | col 2                                    | col 3 |
|-------|--|-------|
| r1-c1 | $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$ | r1-c3 |

| col 1                                    | col 2  | col 3  |
|--|--|--|
| $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$ |  A green cartoon monster with a yellow book. The monster has a wide, toothy grin, two small black dots for eyes, and a small tuft of hair on top of its head. It is holding a yellow book with black horizontal lines, possibly musical notation. The book has a small green flower on its cover. | r2-c3  |
| r3-c1                                    | r3-c2  |  A green cartoon monster with a yellow book. The monster has a wide, toothy grin, two small black dots for eyes, and a small tuft of hair on top of its head. It is holding a yellow book with black horizontal lines, possibly musical notation. The book has a small green flower on its cover. |

# **Topic File 2**

# **Topic File 3**

# **Topic File 1**

# **Topic File 2**

# **Topic File 3**

# **Topic File 1**

# **Topic File 2**

# **Topic File 3**