

## 0.1 Curly braces over and under equations

```

1 \begin{align}
2   x
3   = \overbrace{a \cdot b \cdot c}^{\text{explanation}}
4   + \underbrace{d \cdot e \cdot f}_{\text{explanation}}
5 \end{align}

```

$$x = \overbrace{a \cdot b \cdot c}^{\text{explanation}} + \underbrace{d \cdot e \cdot f}_{\text{explanation}} \quad (1)$$

### 0.1.1 Inside square root or \left & \right parentheses etc.

```

1 \begin{align}
2   x
3   &= \sqrt{\underbrace{a \cdot b \cdot c}_{\text{explanation}}}
4   \\
5   y &= \left[ \underbrace{d \cdot e \cdot f}_{\text{explanation}} \right]
6   \\
7   \end{align}
8
9

```

$$x = \sqrt{\underbrace{a \cdot b \cdot c}_{\text{explanation}}} \quad (2)$$

$$y = \left[ \underbrace{d \cdot e \cdot f}_{\text{explanation}} \right] \quad (3)$$

### 0.1.2 Use smash to write explanation outside

```

1 \begin{align}
2   x
3   &= \sqrt{\smash[b]{\underbrace{a \cdot b \cdot c}_{\text{explanation}}}}
4   \\
5   y &= \left[ \smash[b]{\underbrace{d \cdot e \cdot f}_{\text{explanation}}} \right]
6   \\
7   \end{align}
8
9

```

$$x = \sqrt{\smash[b]{\underbrace{a \cdot b \cdot c}_{\text{explanation}}}} \quad (4)$$

$$y = \left[ \smash[b]{\underbrace{d \cdot e \cdot f}_{\text{explanation}}} \right] \quad (5)$$

### 0.1.3 Add vertical space

```

1 \begin{align}
2   x

```

```

3      & = \sqrt{
4      \smash[b]{
5      \underbrace{a \cdot b \cdot c}_{explanation}
6      }
7  }
8  y & = \left[
9      \smash[b]{
10     \underbrace{d \cdot e \cdot f}_{explanation}
11     }
12     \right]
13 \end{align}

```

$$x = \sqrt{\underbrace{a \cdot b \cdot c}_{explanation}} \quad (6)$$

$$y = \left[ \underbrace{d \cdot e \cdot f}_{explanation} \right] \quad (7)$$