0.1 Text over and under symbols

0.1.1 Place text using overset & underset

```
\usepackage{amsmath} % align

begin{align}
    a \overset{why?}{=} b \\
    a \underset{why?}{=} b
    \end{align}
```

$$a \stackrel{why?}{=} b \tag{1}$$

$$a = b \tag{2}$$

0.1.2 Remove extra spaces with mathclap

```
\usepackage{amsmath} % align
\usepackage{mathtools} % mathclap

\usepackage{matht
```

$$\begin{array}{l}
a = b \\
why?
\end{array} \tag{3}$$

0.1.3 Multiple lines with substack

```
\usepackage{amsmath} % align, substack
   \usepackage{mathtools} % mathclap
2
3
   \begin{align}
     a \overset{
        \mathclap{
6
          \sl_substack{}
7
     why?
             //
            how?
          }
10
       }
11
     }{=} b \\
12
     a \underset{
13
       \mathclap{
14
          \sl_substack{}
15
     why?
             //
16
            how?
17
18
        }
19
     {=} b
20
   \end{align}
```

0.1.4 Place arrows

```
\usepackage{amsmath} % align, substack
   \usepackage{mathtools} % mathclap
2
   \begin{align}
     a \overset{
5
       \mathclap{
         why?
               11
8
     how?
               11
9
            \downarrow
10
11
       }
12
     }{=} b
              - \ \
13
     a \underset{
14
       \mathclap{
15
         \substack{
16
     \uparrow \\
17
     why?
               11
           how?
19
         }
20
       }
21
     }{=} b
22
   \end{align}
23
```

0.1.5 Use long arrows with \backslash big

```
\usepackage{amsmath} % align, substack
   \usepackage{mathtools} % mathclap
2
3
   \begin{align}
     a \overset{
5
       \mathclap{
6
         7
     why?
               //
     how?
9
           \big \downarrow
10
         }
11
       }
12
     }{=} b
              11
13
     a \underset{
14
       \mathclap{
15
         \substack{
16
     \big \uparrow \\
17
     why?
              11
18
           how?
19
```

$$\begin{array}{c} why?\\ how?\\ a \stackrel{\longrightarrow}{=} b \\ a = b \\ \uparrow\\ why?\\ how? \end{array} \tag{9}$$