What did we learn?

- **Create equations using align**
- **Why avoid $ and blank lines**
- **Align equations using &**
- **Insert text between eqn. with `intertext`**
- **If there is no text in between equations, use **

Assignment 1: Recall all of the above

More Assignments

2. Create these equations

$$a = b + c$$

$$abcd = f + g + h$$

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$$a = b + c$$
$$abcd = f + g + h$$

These equations are created by

```
\begin{align*}
a = b + c \\
abcd = f + g + h
\end{align*}
```

3. Align them

Align the equations as given here:

$$a = b + c$$
$$abcd = f + g + h$$

4. What if you forget &

Suppose you forget & in second equation:

```
\begin{align*}
a & = b + c \\
abcd = f + g + h
\end{align*}
```

4. What if you forget &

Suppose you forget & in second equation:

```
\begin{align*}
a & = b + c \\
abcd = f + g + h
\end{align*}
```

You get this output:

$$a = b + c$$

$$abcd = f + g + h$$

5. Align differently

How do you produce the following?

$$a = b + c$$
$$abcd = f + g + h$$

Hint: & should be put in a different place!

6. Align three equations

$$\alpha = \beta + \gamma \tag{1}$$

$$\alpha + \beta = \frac{\gamma}{\delta} + \delta \int \mu d\mu \tag{2}$$

$$\alpha + \beta\mu = \gamma\delta \tag{3}$$

6. Align three equations

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$$\alpha + \beta = \frac{\gamma}{\delta} + \delta \int \mu d\mu \tag{2}$$

$$\alpha + \beta\mu = \gamma\delta \tag{3}$$

```
\begin{align}
\alpha & = \beta + \gamma \\
\alpha + \beta & = \frac \gamma \delta
+ \delta\int \mu d\mu \\
\alpha + \beta\mu & = \gamma\delta
\end{align}
```

7. Put text in between equations

Insert some text between equations:

$$\alpha = \beta + \gamma \tag{1}$$

$$\alpha + \beta = \frac{\gamma}{\delta} + \delta \int \mu d\mu \tag{2}$$

$$\alpha + \beta\mu = \gamma\delta \tag{3}$$