# [BUG] LaTeX aligned equations do not have right spacing

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## Report

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From: Rick Hu <yhu@virtu.com>
Subject: [BUG] LaTeX aligned equations do not have right spacing [9.6.1
 (release_9.6.1 @ /home/yhu/dev/prefix/org-mode/emacs/site-lisp/org/)]
To: "emacs-orgmode@gnu.org" <emacs-orgmode@gnu.org>
Date: Mon, 30 Jan 2023 20:38:43 +0000 (2 days, 15 minutes, 16 seconds ago)

Example text in org mode:
\begin{align}
H_1(x) = &  3 x^2 - 2 x^3 \\
S_1(x) = &  -2 x^2 + x^3 \\
\end{align}

When I export this to html and display on a browser, the spacing
between the equal sign and the terms behind is very small.
This is not the right amount around an equal sign.

Emacs  : GNU Emacs 28.2 (build 1, x86_64-pc-linux-gnu)
of 2022-09-21
Package: Org mode version 9.6.1 (release_9.6.1 @ /home/yhu/dev/prefix/org-mode/emacs/s
```

## Analysis

Let's typeset the LaTeX code above:

$$H_1(x) = 3x^2 - 2x^3 \tag{1}$$
$$S_1(x) = -2x^2 + x^3 \tag{2}$$
$$\tag{3}$$

There are a few errors, I think, with the LaTeX not Org. Here is the correction:

$$H_1(x) = 3x^2 - 2x^3 \tag{4}$$
$$S_1(x) = -2x^2 + x^3 \tag{5}$$

Note that the spacing around the = sign is correct and there is no spurious third equation label.

### Corrected source

```
\begin{align}
H_1(x) & = 3 x^2 - 2 x^3 \\
S_1(x) & = -2 x^2 + x^3
\end{align}
```

## Conclusion

Not a bug.