

FreeAlign: Align math formulas in different lines

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This package provides several commands for aligning math formulas in different lines. Here is the first example:

We have $(a + b)^2 = (a + b)(a + b)$
 $= a^2 + 2ab + b^2$ 2 points

```
We have  $(a+b)^2 \stackrel{?}{=} (a+b)(a+b)$   $\backslash\backslash$   
 $\backslash+ = a^2+2ab+b^2$   $\hfill\cdots\cdots$  2 points
```

The `\?` command inside the first formula saves current horizontal position, and the `\+` command before the second formula jumps to previously saved position.

Here is another example:

We have $(a + b)^2 = (a + b)(a + b)$
 $= a^2 + 2ab + b^2$ 2 points

```
We have  $\stackrel{?}{=} (a+b)^2 = (a+b)(a+b)$   $\backslash\backslash$   
 $\stackrel{<}{=} a^2+2ab+b^2$   $\hfill\cdots\cdots$  2 points
```

The `\?` command before the first formula saves current horizontal position, and the `\<` command before the second formula jumps to the left of previously saved position by the width of `=`.

Because this package uses `zref` package to save positions, you need two compilations to get correct results.