

This is an example of the use of the `subequations` package.

$$a^2 + b^2 = c^2 \tag{1}$$

Now we start sub-numbering.

$$d^2 + e^2 = f^2 \tag{2a}$$

We can refer to equation 1, 2 and 2a.

$$g^2 + h^2 = i^2 \tag{2b}$$

This was equation 2b.

$$x = y + z \tag{2c}$$

$$u = v + w \tag{2d}$$

This was expression 2c, consisting of parts 2c and 2d.

Now lets start a `subeqnarray` environment.

$$x = y + z \tag{3a}$$

$$u = v + w \tag{3b}$$

This was equation 3, with parts 3a and 3b.