



## Equations

### 1 Why

### 2 Definition

An *equation* is a statement of equality between two objects.

For example, if we have an object  $a$  and an object  $b$ , then an equation is

$$a = b.$$

Equations are useful when we do not know the particular identity of an object, but only that it belongs to some set. In this case, we call

Equations



Identity



Objects

the equation *indeterminate*