| Definition 3.71.     | [1w5]An <b>equivalence re</b> | e <b>lation</b> is a relation | between ele-    |
|----------------------|-------------------------------|-------------------------------|-----------------|
| ments of A that enj  | oys the properties: re        | flective, symmetrice          | al, transitive. |
| Equivalence relation | ons are typically denot       | ted by symbols " $\sim$ "     | , "≈", "≃"      |
| , "≅" , "≊" etc.     |                               |                               |                 |