

6. a. Every rational number is equal to a ratio of some two integers.
b. There is a rational number that is not equal to a ratio of any two integers.

15. a. \forall actions A , \exists a reaction R such that R is equal and opposite to A .
b. \exists an action A such that \forall reactions R , R is not equal and opposite to A .

38. There is a function that is continuous but not differentiable.