

---

**Intervals: open, closed, half-open, infinite**

**Functions: independent and dependent variables, domain and range**

**Graph of a function (Vertical line test)**

**Finding Domain of a given function**

**Given  $f$ , find  $f(a + 1)$ ,  $f(a^2)$ ,  $f(x + h)$  etc.**

**Composition of functions**

**Compound functions**