Intersection (of sets) Examples with SimBraille

1. A intersection B is written
   \[ A \cap B \]

2. C intersection D equals the empty set is written
   \[ C \cap D = \emptyset \]

3. A intersection B equals the set with the elements two and four is written
   \[ A \cap B = \{2, 4\} \]

4. C intersection D equals the set of all x such that x is an element of C and x is an element of D is written
   \[ C \cap D = \{x : x \in C \text{ and } x \in D\} \]