## 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\}
```

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