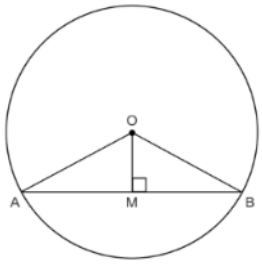
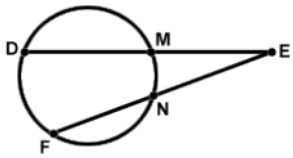
**Law 8:**

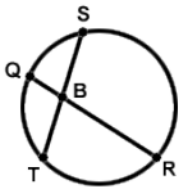



**-Explanation:** The perpendicular from the centre to the chord bisects the chord, making it an isosceles.

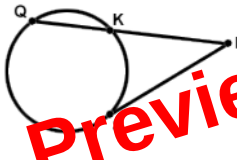
## Intersection chords and tangents:




DE x ME = FE x NE.




SB x TB = QB x BR.




QR x KR = SR x SR.



## Domain and Range:

**What is the domain?**

A set of numbers that can be put into a specific function.

**What is the range?**

The set of numbers that can come out.

**Give the domain for the following:**

-f(x)= $\frac{1}{x}$ ➔ x≠0.

-f(x)= $\sqrt{x}$ ➔ x≥0.

-f(x)= $\frac{4}{x-2}$ ➔ x≠2.

-f(x)= $\sqrt{x^2-4}$ ➔ x≥2, x≤-2.