Law 8:

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

Intersection chords and tangents:

DE \times ME = FE \times NE.

SB \times TB = QB \times BR.

QR \times KR = SR \times 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:

\(-f(x)= \frac{1}{x} \Rightarrow x \neq 0.\)

\(-f(x)= \sqrt{x} \Rightarrow x \geq 0.\)

\(-f(x)= \frac{4}{x-2} \Rightarrow x \neq 2.\)

\(-f(x)= \sqrt{x^2-4} \Rightarrow x \geq 2, x \leq -2.\)