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The Latus rectum of a hyperbola is defined as a line segment perpendicular to the transverse axis through any of the foci and whose ending point lies on the hyperbola. The length of the latus rectum of a hyperbola is $2b^2/a$.

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Definition of the Latus Rectum of the Hyperbola

Latus Rectum of the **Hyperbola** · We know that $e = \sqrt{1+b^2/a^2} = \sqrt{1+12/22} = \sqrt{1+14} = \sqrt{52}$.

Therefore, the length of the **latus rectum** = $2b^2/a = 2 \cdot (12)/22 = 22 = 1$.

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Hyperbola - Math is Fun

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