

APOLLO

Standard Form of Equation of Hyperbola

FBISE Mathematics Class 12 (HSSC-II)

Domain B: Geometry

5 questions | questions

Original FBISE question crops. National Curriculum 2022-23 topic.

OR	A hyperbola of eccentricity $\frac{5}{2}$ has one focus at $(1,-4)$. The corresponding	4
the stone.		directrix is the line $y = 2$. Find equation of the hyperbola.

04	OR	$\frac{x^2}{9} - \frac{y^2}{4} = 1$ is an equation of hyperbola then find:	a. Centre b. Vertices c. Foci d. Equation of asymptotes	04
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OR	$\frac{x^2}{16} - \frac{y^2}{9} = 1$ is an equation of hyperbola then find:	a. Centre b. Vertices c. Foci d. Equation of asymptotes	04
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(x)	Find eccentricity of the hyperbola $\frac{y^2}{16} - \frac{x^2}{49} = 1$	04
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xvi.	Equations of the asymptotes of a hyperbola $\frac{x^2}{7^2} - \frac{y^2}{4^2} = 1$ are:	$y = \pm \frac{4}{7}$	$y = \pm \frac{7}{4}$	$x = \pm \frac{4}{7}$	$x = \pm \frac{7}{4}$
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