

APOLLO

Parabola

FBISE Mathematics Class 12 (HSSC-II)

Domain B: Geometry

8 questions | questions

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

OR	Find equation of a parabola with focus (0,1) and directrix $y + 1 = 0$.	04
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(vii)	For the parabola $y^2 = -12x$, find the vertex, focus, directrix, and length of latus rectum.	04
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	For the parabola $x^2 = -8y$, find the vertex, focus, directrix, and length of the latus rectum.	04
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(ix)	Find the focus, vertex and directrix of the parabola $y^2 = -8(x - 3)$	04
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(viii)	Find focus, vertex and directrix of the parabola $x^2 = -16y$	04
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For parabola $y^2 = 4ax$, the focus is at:	$(a, 0)$	$(-a, 0)$	$(0, -a)$	$(0, a)$
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Graph the feasible region by shading. A parabola has its focus at $F(2,3)$ and vertex at $V(2,1)$. Write equation of the parabola in standard form.

xv.	Which one of the following represents a parabola with focus (5, 0) and vertex (0, 0)?	$x^2 = 20y$	$x^2 = -20y$	$y^2 = -20x$	$y^2 = 20x$
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