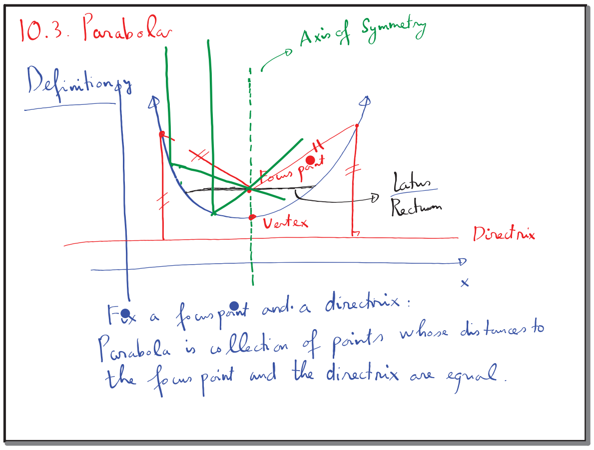
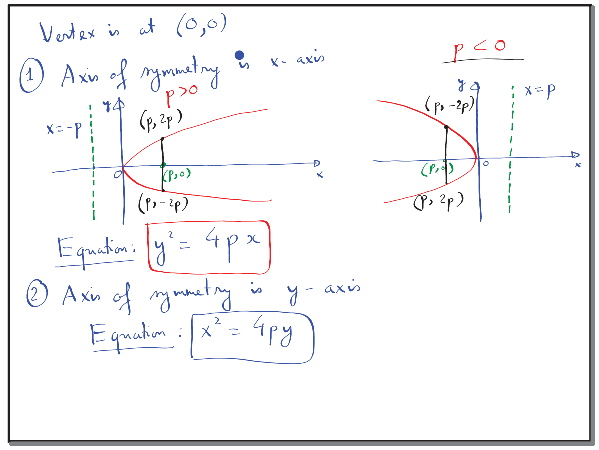


Nov 2-6:01 PM



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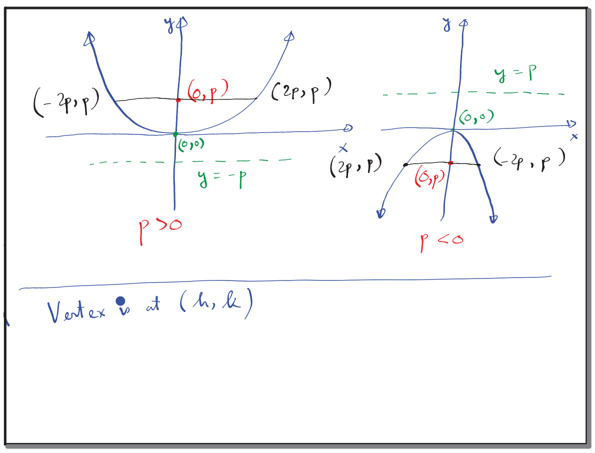

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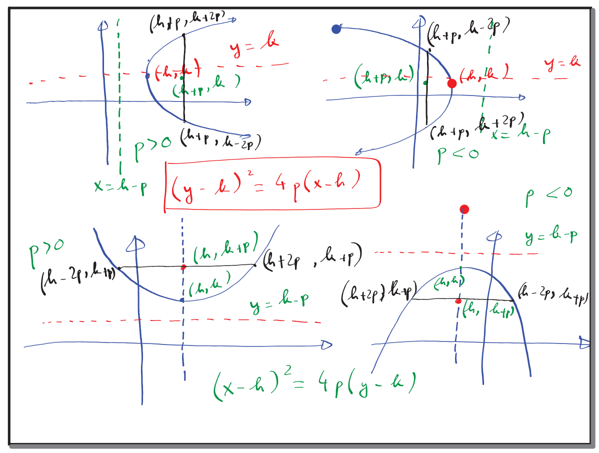

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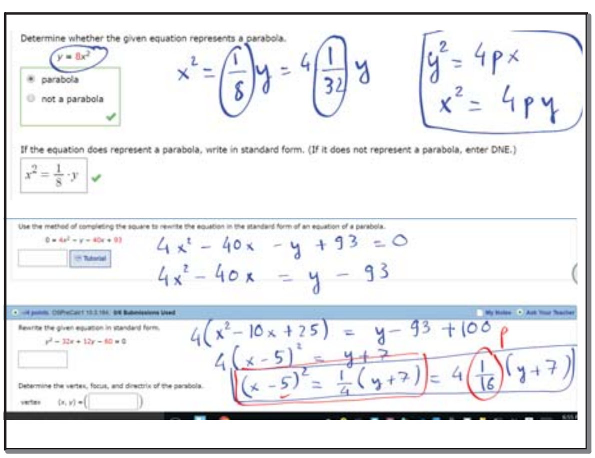
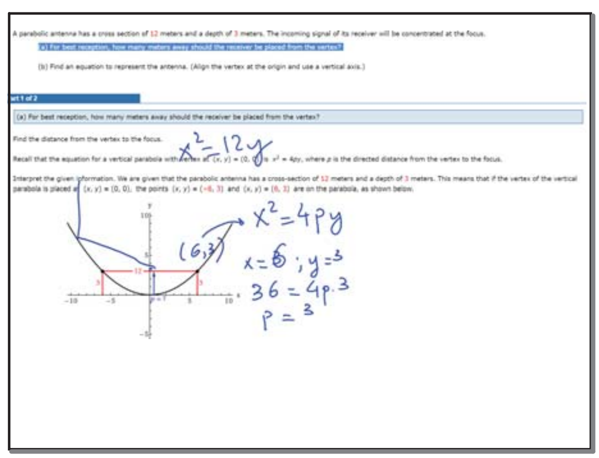
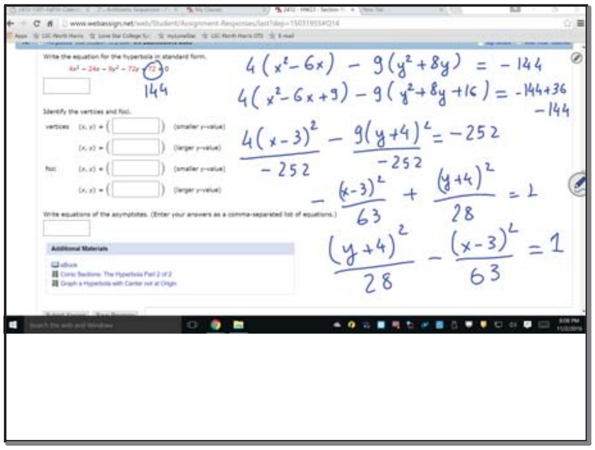


Nov 2-7:17 PM



Nov 2-7:42 PM


www.webassign.net/web/Student/Assignment-Responses/last?dep=15031955#Q14
Write the equation for the hyperbola in standard form.
$4x^2 - 24x - 9y^2 - 72y + 72 = 0$
144
Identify the vertices and foci.
vertices (x, y) = ( ) (smaller y-value)
(x, y) = ( ) (larger y-value)
foci (x, y) = ( ) (smaller y-value)
(x, y) = ( ) (larger y-value)
Write equations of the asymptotes. (Enter your answers as a comma-separated list of equations.)
Additional Materials
eBook
Conic Sections: The Hyperbola Part 2 of 2
Graph a Hyperbola with Center not at Origin
$4(x^2-6x) - 9(y^2+8y) = -144$
$4(x^2-6x+9) - 9(y^2+8y+16) = -144+36-144$
$\frac{4(x-3)^2}{-252} - \frac{9(y+4)^2}{-252} = -252$
$-\frac{(x-3)^2}{63} + \frac{(y+4)^2}{28} = 1$
$\frac{(y+4)^2}{28} - \frac{(x-3)^2}{63} = 1$

Nov 2-8:08 PM