http://sites.google.com/site/jingshanmathsenior1 Assignment #4- oct.12-p.1/2

- I. Draw carefully the hyperbolas of equations type $y = \frac{A}{x-l} + h$ by applying the changes of variables corresponding to the change of axis defined by X = x l and Y = y h with $Y = \frac{A}{X}$
- $(H_1)y = \frac{1}{x-3} + 2$



•
$$(H_2)y = -\frac{1}{x+2} + 1$$

II. Draw carefully the hyperbolas (\mathcal{H}) of équations type $y = \frac{A}{x-l} + h$ by applying the change of variable corresponding to the change of axis defined by X = x - L et Y = y - H with $Y = \frac{A}{X}$

•
$$(H_3)y = \frac{4}{x-4} - 2$$



•
$$(H_4)y = -\frac{4}{x+4} + 2$$

北京景山学校

Mathematics - Elective Pre-Calc. - Senior 1

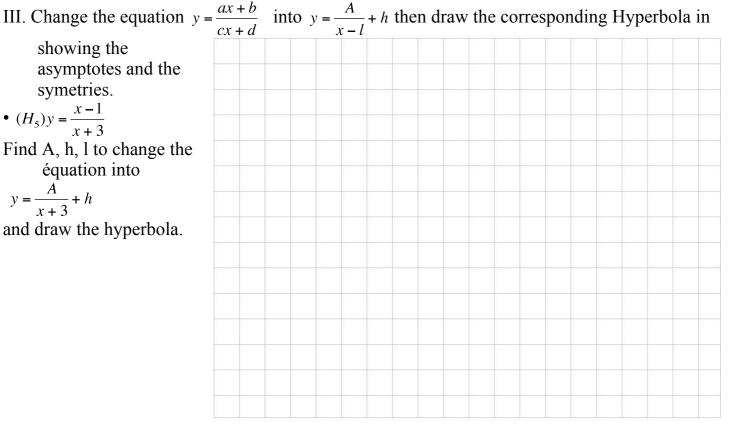
showing the asymptotes and the

asymptotes and symetries.
•
$$(H_5)y = \frac{x-1}{x+3}$$

Find A, h, l to change the équation into

$$y = \frac{A}{x+3} + h$$

and draw the hyperbola.



$$\bullet \ (H_6)y = \frac{2x+5}{x-2}$$

Find A, h, l to change the équation into

$$y = \frac{A}{x+3} + h$$

and draw the hyperbola.

