

For each rational function find all x and y intercepts, if any.

1. $y = \frac{x+5}{x^2-x-6}$

x-int:

y-int:

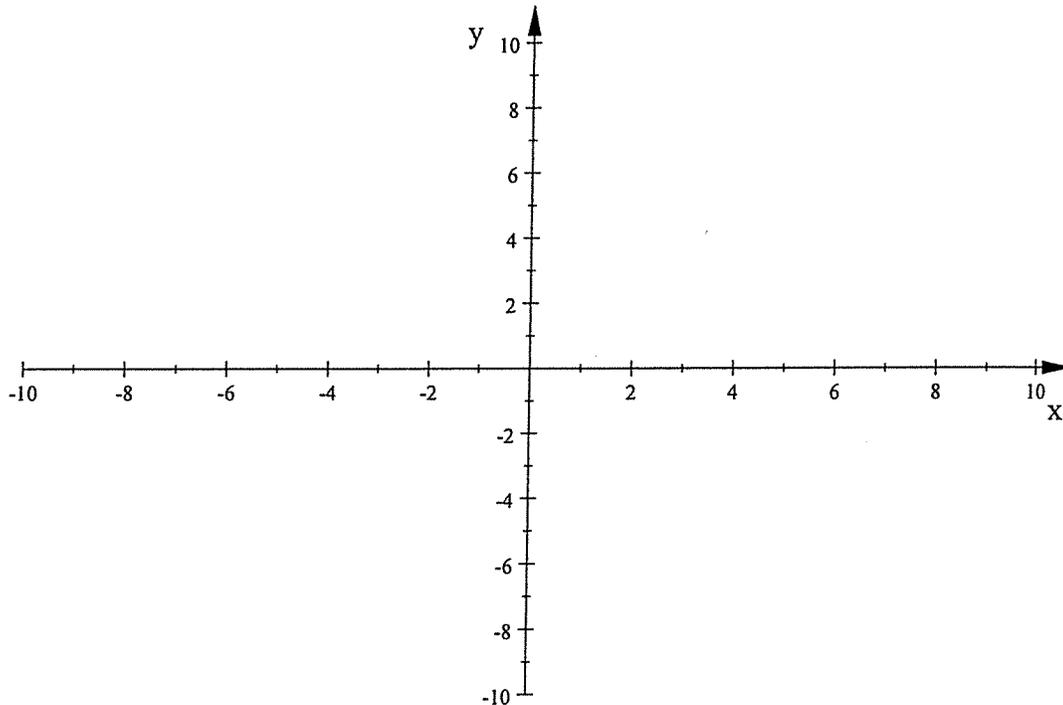
2. $y = \frac{x^2+12x+32}{x^2-16}$

x-int:

y-int:

Graph each rational function. Show the VA and HA as dashed lines and the proper behavior around each asymptote. Also show the x and y intercepts, if any. Show the work you used to decide this behavior. No work = no credit.

3. $y = \frac{4x^2-12x}{x^2+x-6}$



#4 is on the back.