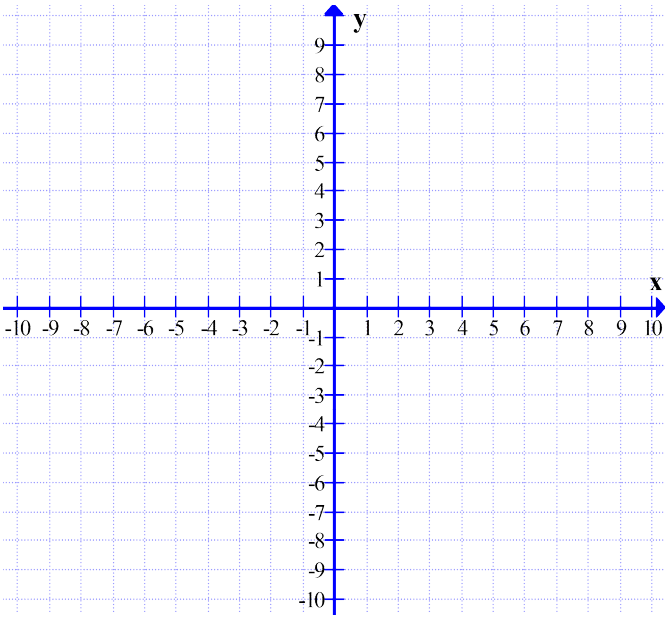
C12 - 9.1 - Graph TOV HT VT xy-int HW

Graph. State VA's, HA's, x-int and y-int.

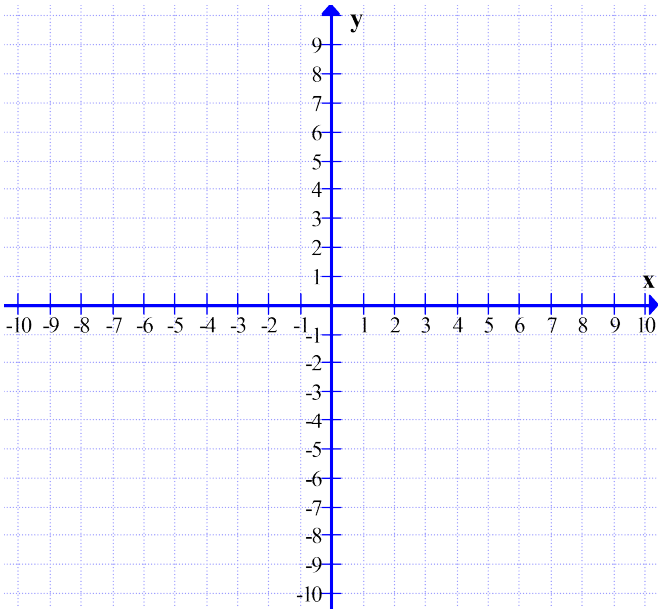
$y = \frac{1}{x}$

x	y
-10	
-5	
1	
-0.9	
0	
0.1	
1	
5	
10	



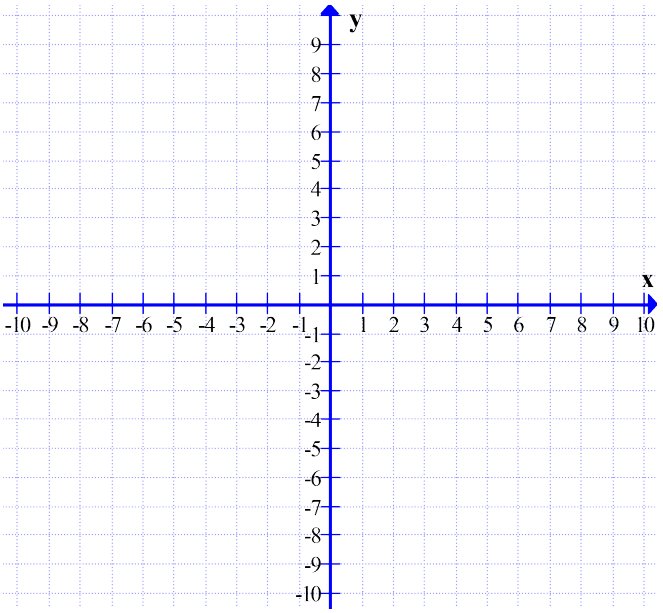
$y = \frac{1}{x} + 1$

x	y
-10	
-5	
1	
-0.9	
0	
0.1	
1	
5	
10	

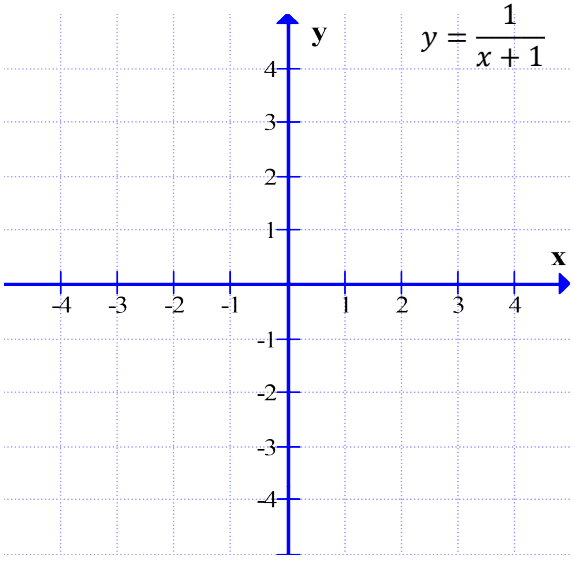


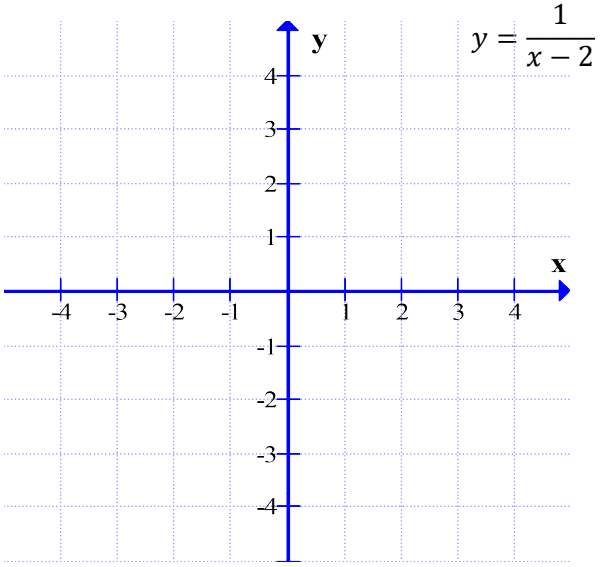
$y = \frac{1}{x-2}$

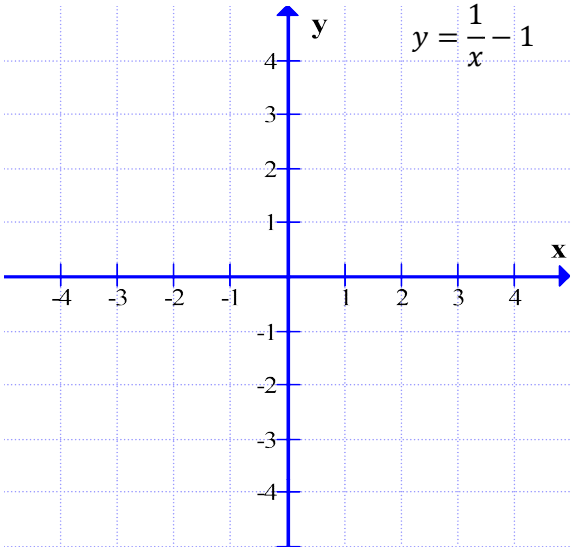
x	y
-10	
-5	
1	
1.9	
2	
2.1	
3	
5	
10	

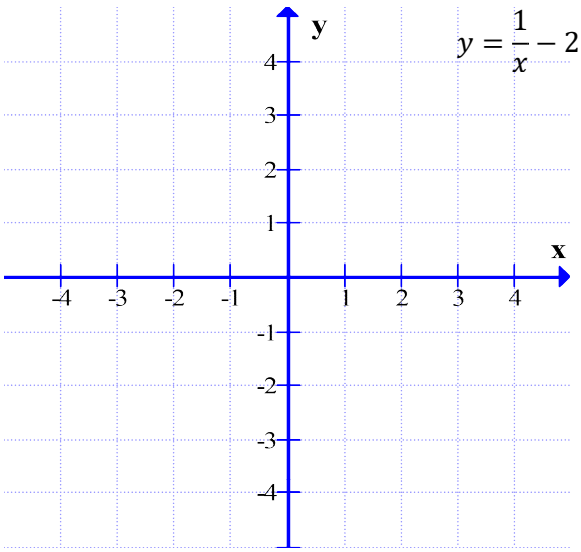


C12 - 9.1 - Graphs HT VT xy-int HW



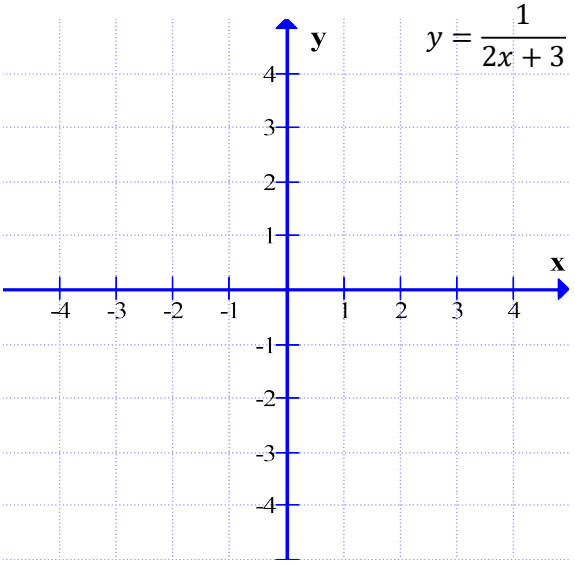




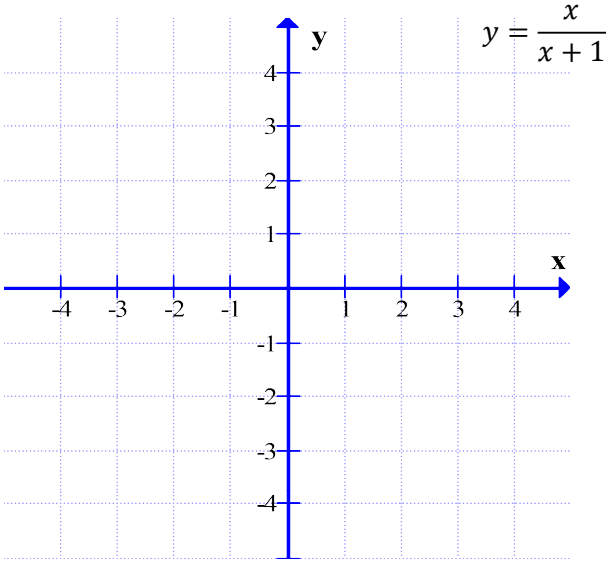


C12 - 9.1 - Graphs HT VT xy-int HW

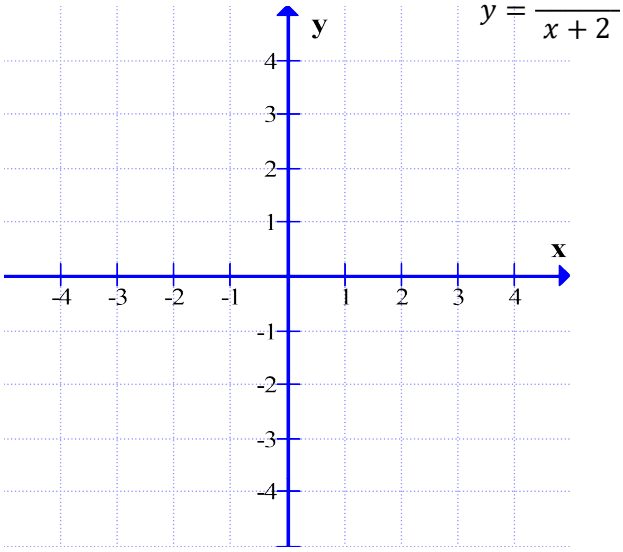
$y = \frac{1}{2x+3}$



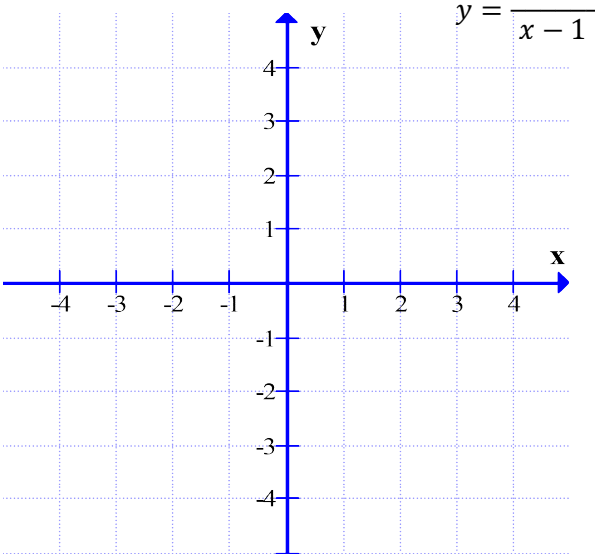
$y = \frac{x}{x+1}$



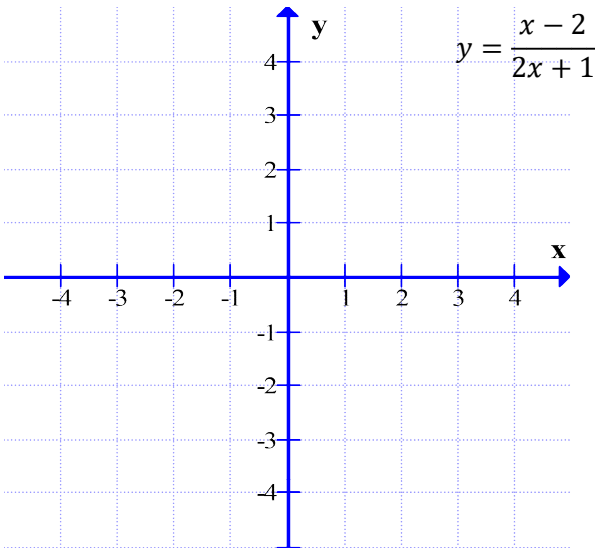
$y = \frac{2x-1}{x+2}$

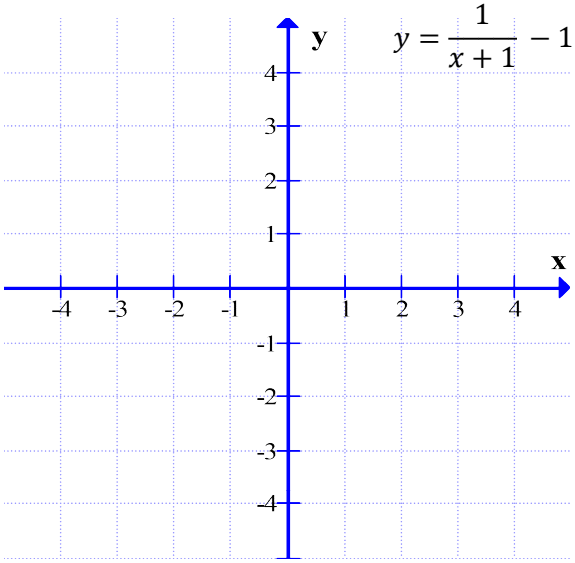


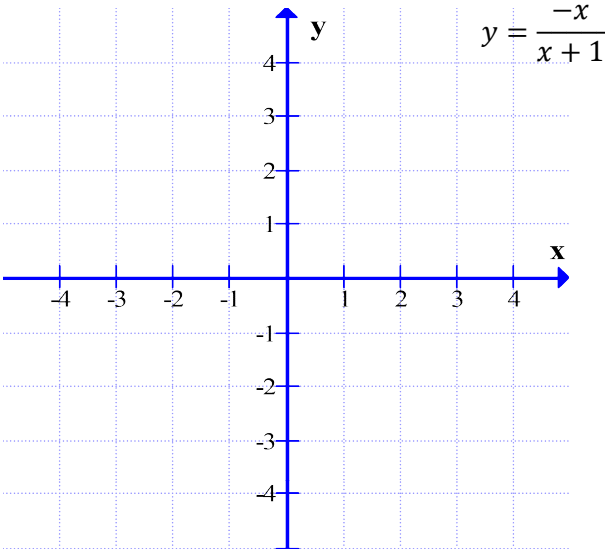
$y = \frac{3x+1}{x-1}$

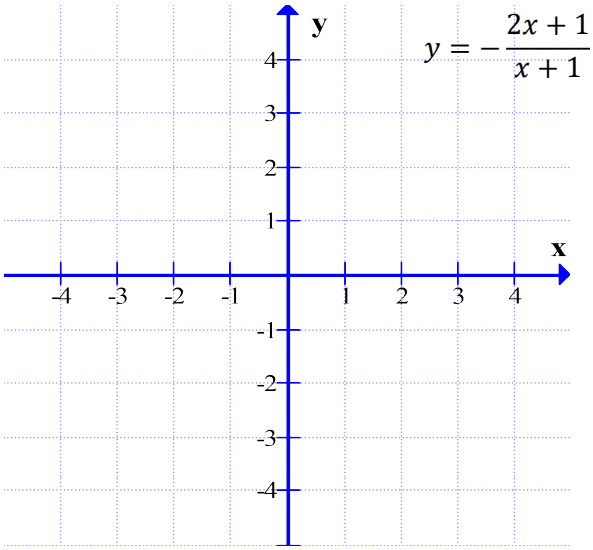


C12 - 9.1 - Graphs HT VT xy-int HW





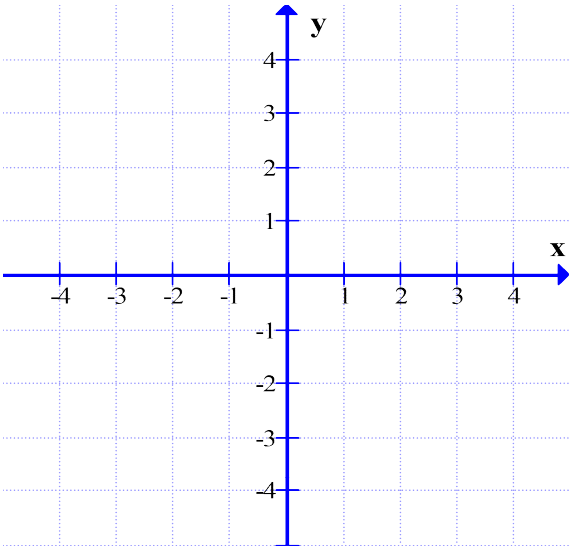




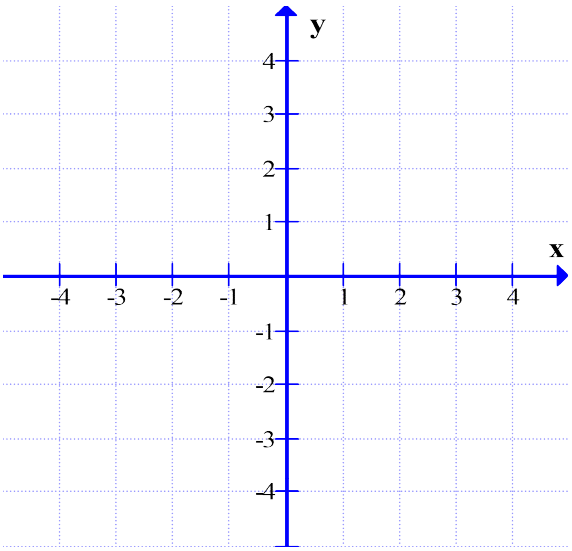
C12 - 9.2 - Graph VT Add Fractions HW

Add Fractions

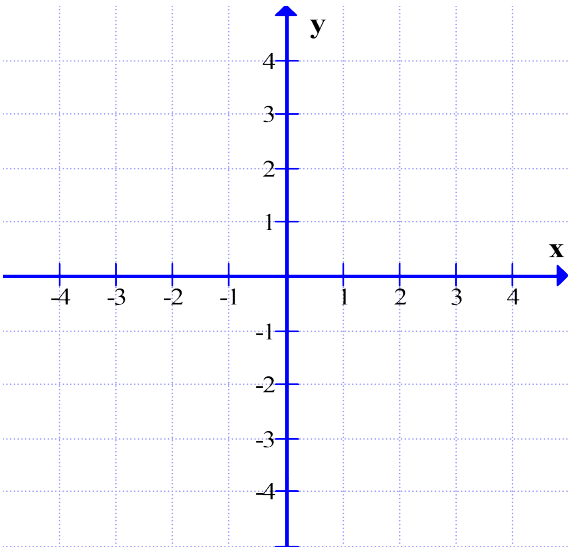
$y = \frac{1}{x} - 1$



$y = \frac{1}{x} - 2$



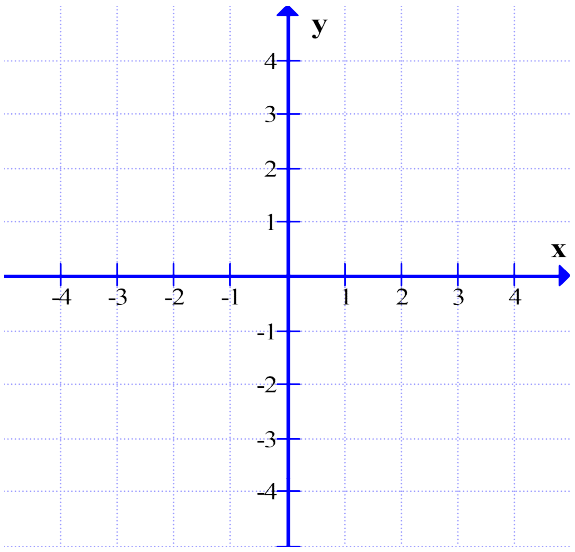
$y = \frac{1}{x-2} - 1$



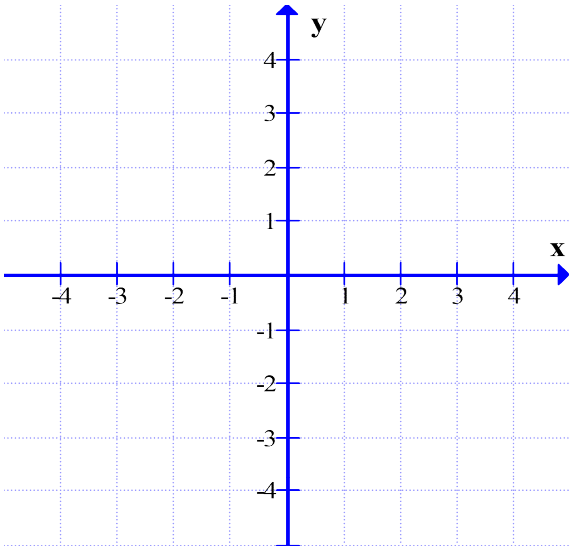
C12 - 9.2 - Graph VT Long Division HW

Do Long Division

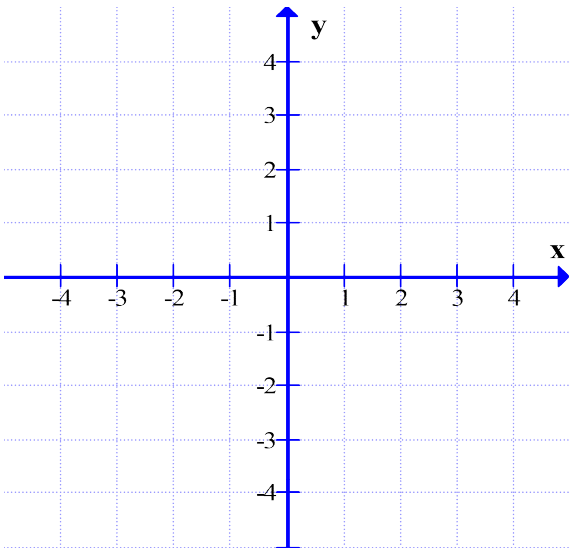
$y = \frac{1 - x}{x}$



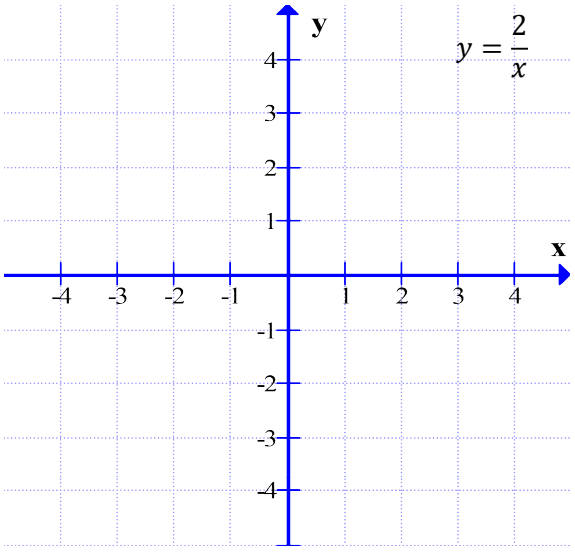
$y = \frac{1 - 2x}{x}$

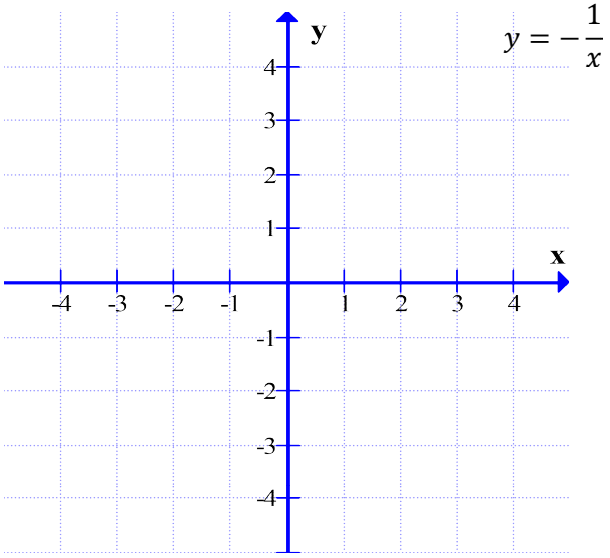


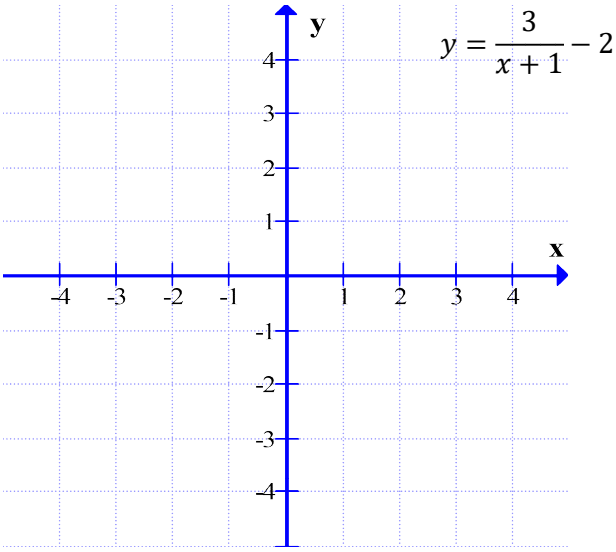
$y = \frac{2 - x}{x - 2}$

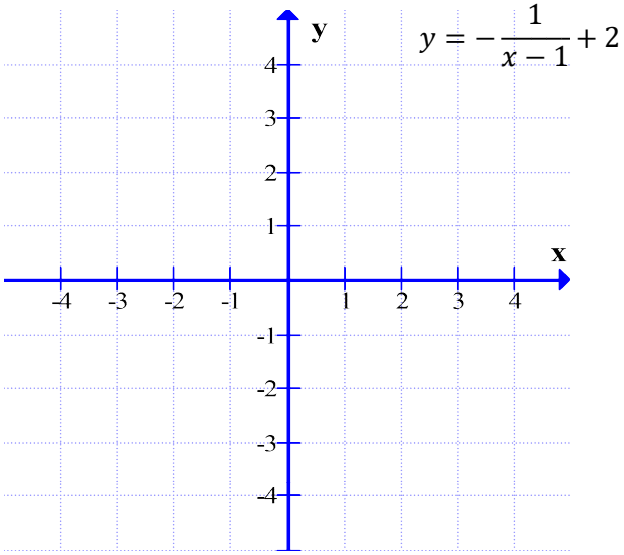


C12 - 9.3 - Graphs VE VR HW



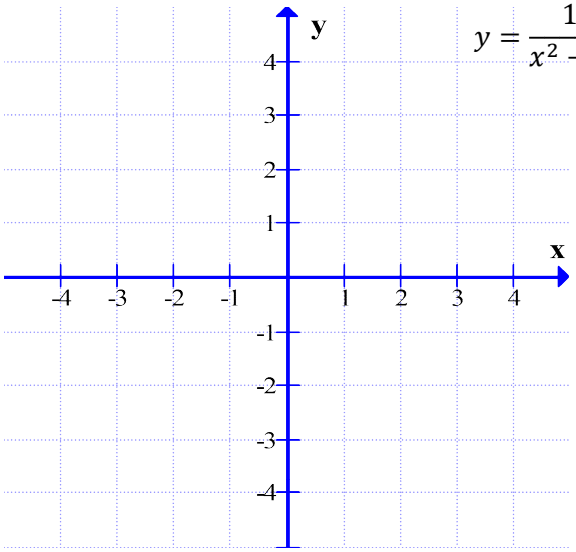




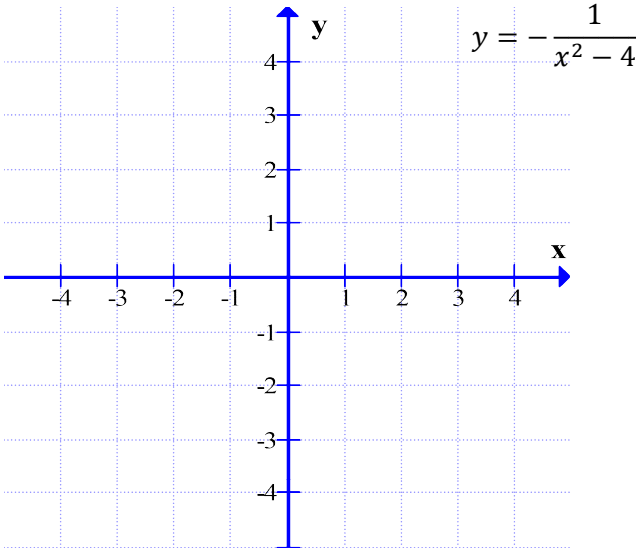


C12 - 9.4 - Graphs 2VA's HW

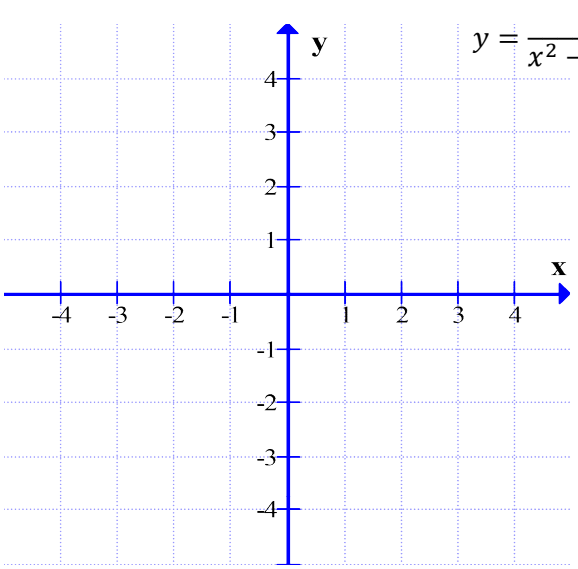
$y = \frac{1}{x^2 - 9}$



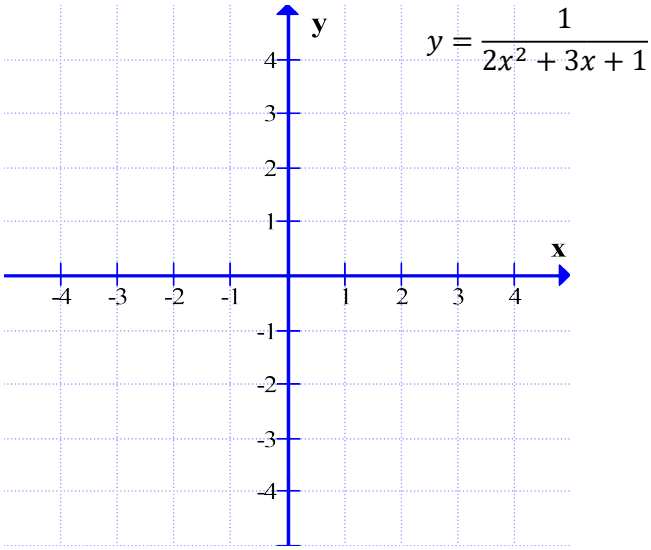
$y = -\frac{1}{x^2 - 4}$



$y = \frac{1}{x^2 - 2x - 8}$

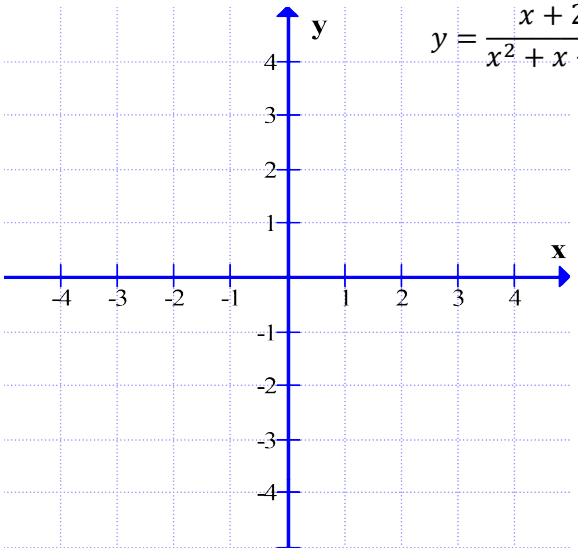


$y = \frac{1}{2x^2 + 3x + 1}$

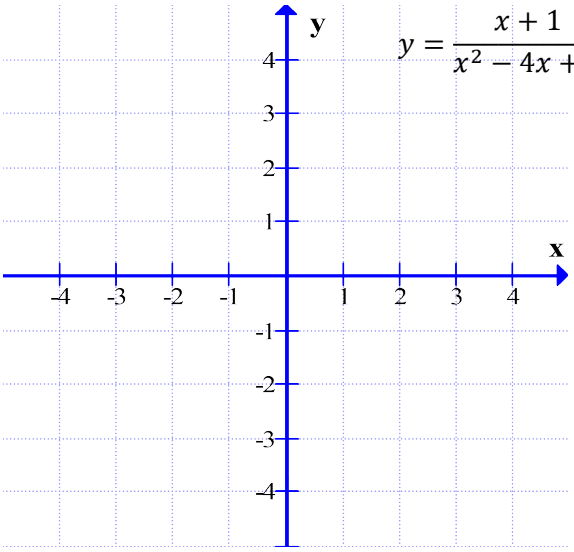


C12 - 9.5 - Graphs Holes HW

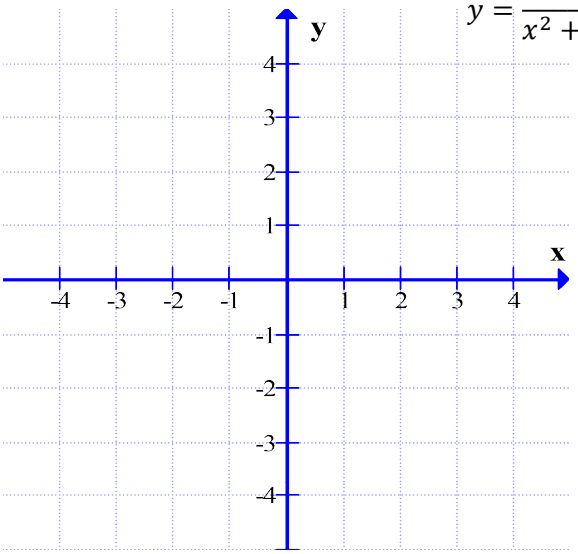
$y = \dfrac{x+2}{x^2+x-2}$



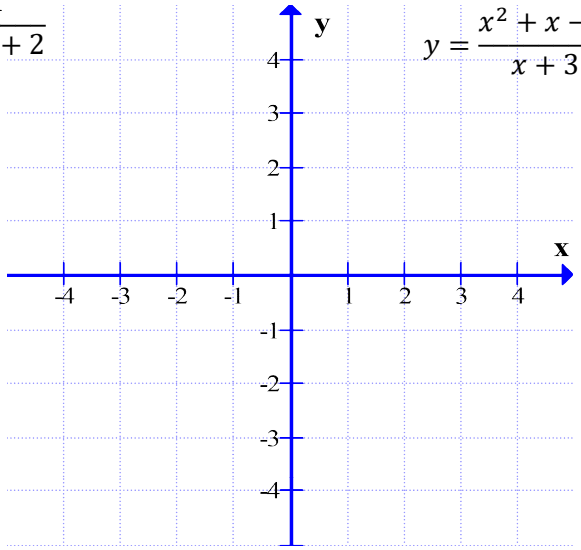
$y = \dfrac{x+1}{x^2-4x+3}$



$y = \dfrac{x+1}{x^2+3x+2}$

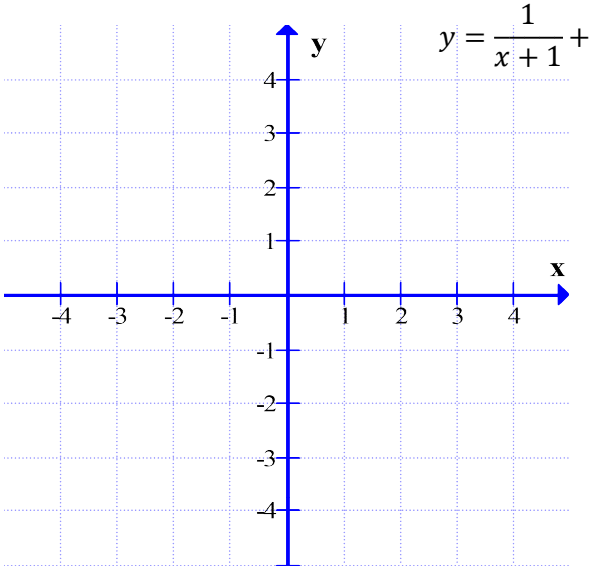


$y = \dfrac{x^2+x-6}{x+3}$

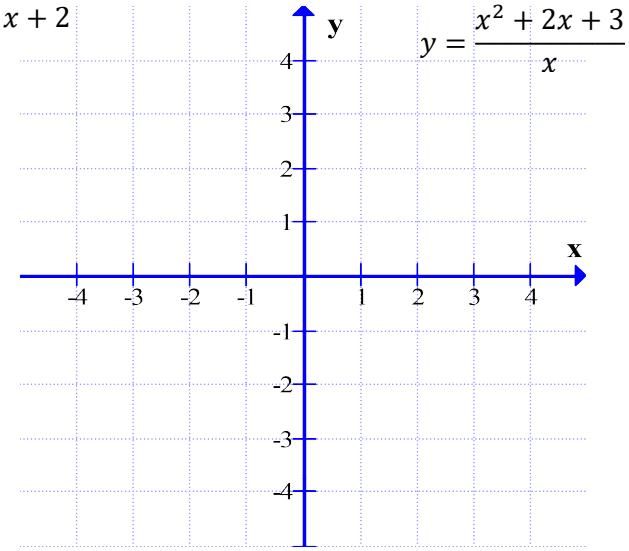


C12 - 9.6 - Graphs Slant HW

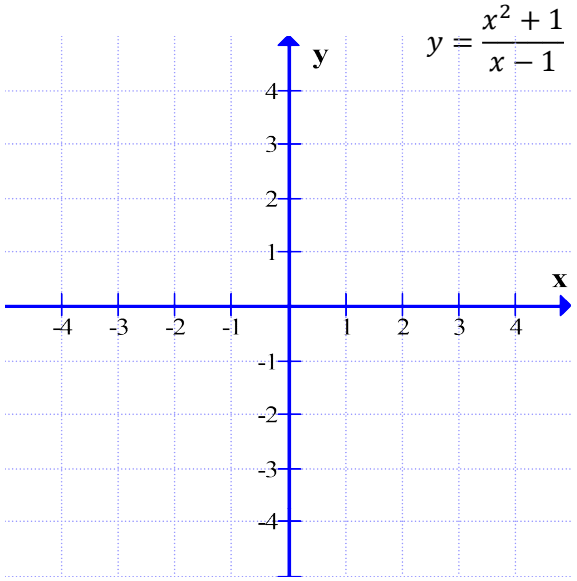
$y = \frac{1}{x+1} + x + 2$



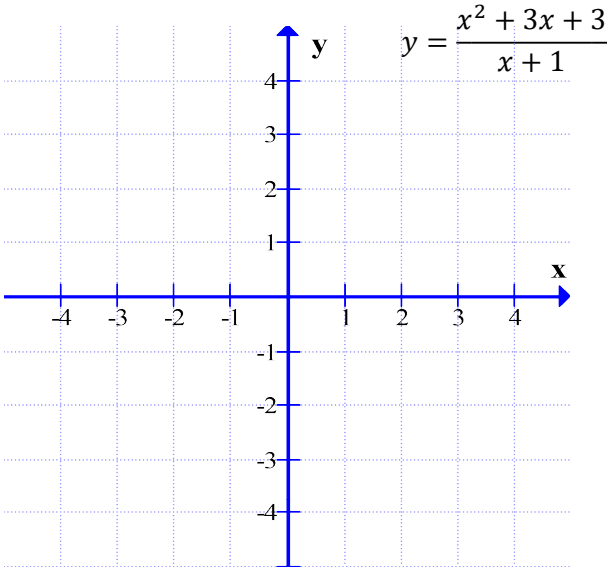
$y = \frac{x^2 + 2x + 3}{x}$



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

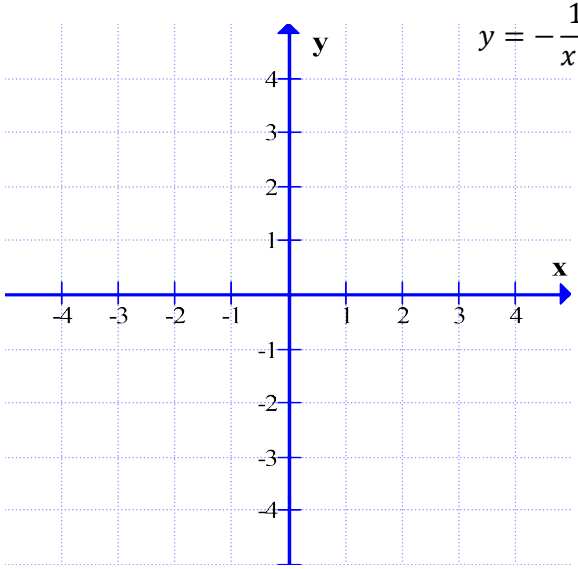


$y = \frac{x^2 + 3x + 3}{x + 1}$

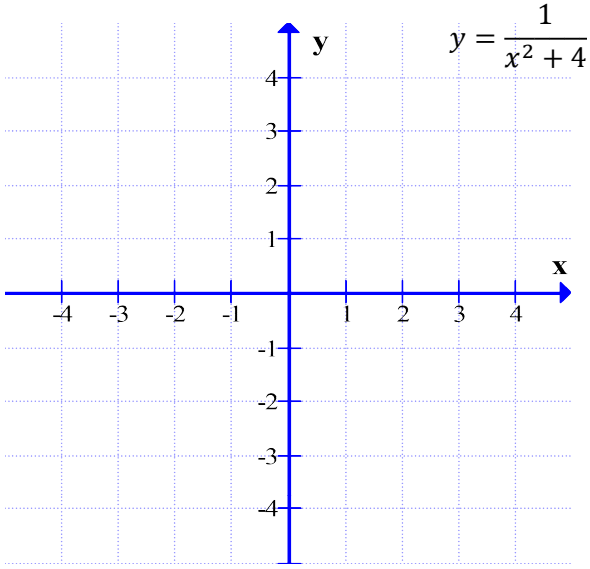


C12 - 9.6 - Graphs Mounds/Volcanoes HW

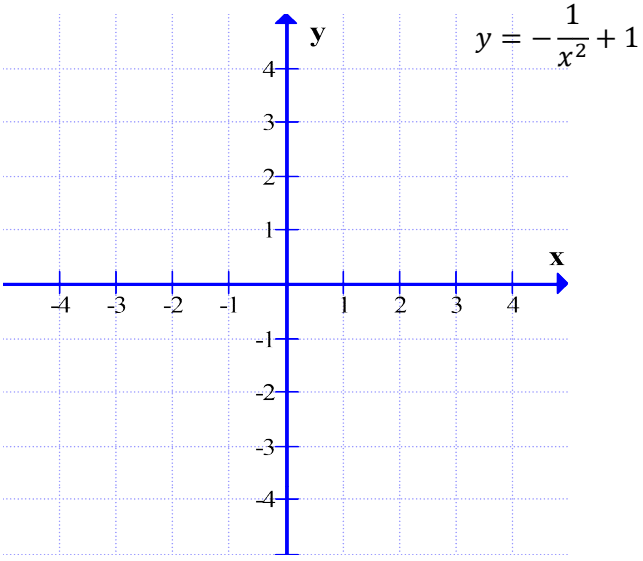
$y = -\frac{1}{x^2}$



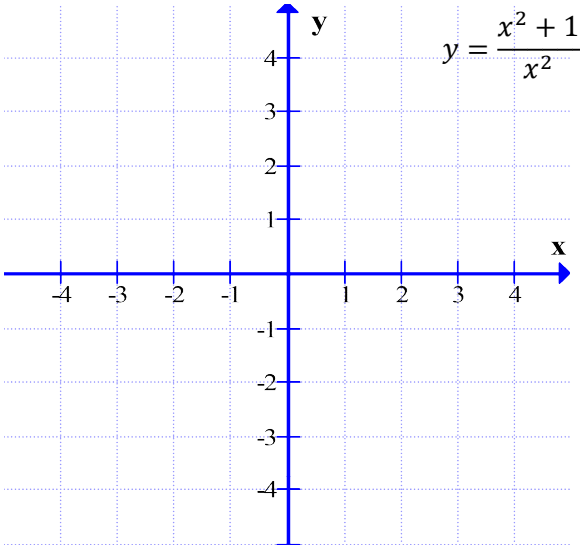
$y = \frac{1}{x^2 + 4}$



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

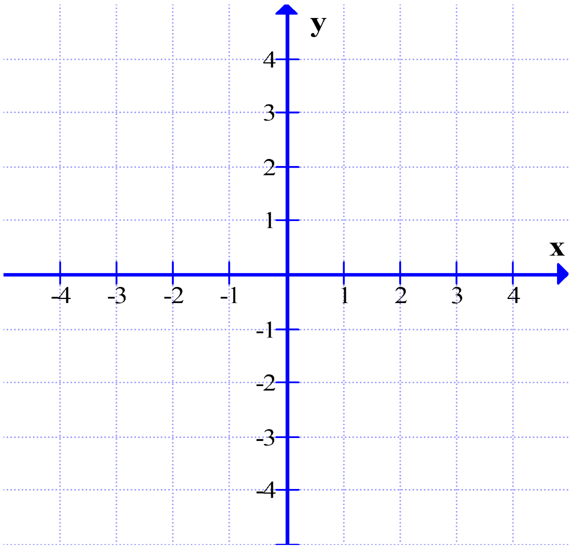


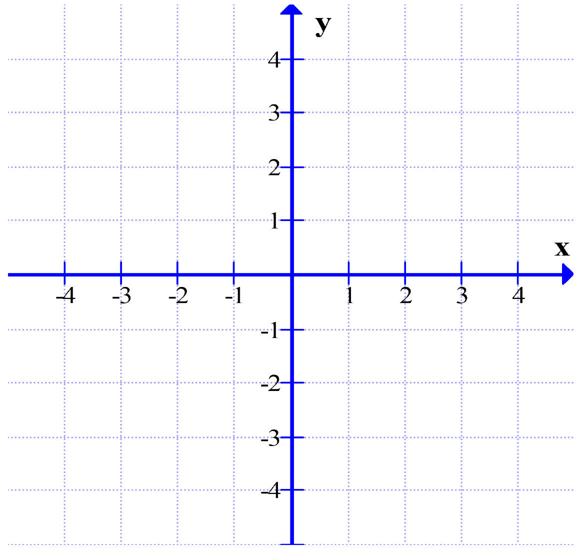
$y = \frac{x^2 + 1}{x^2}$

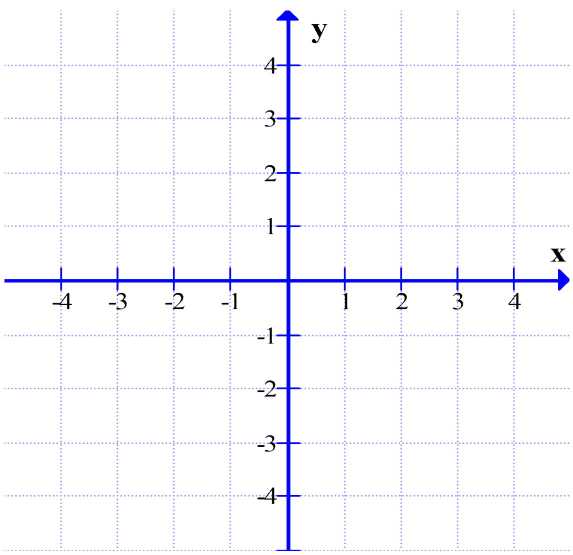


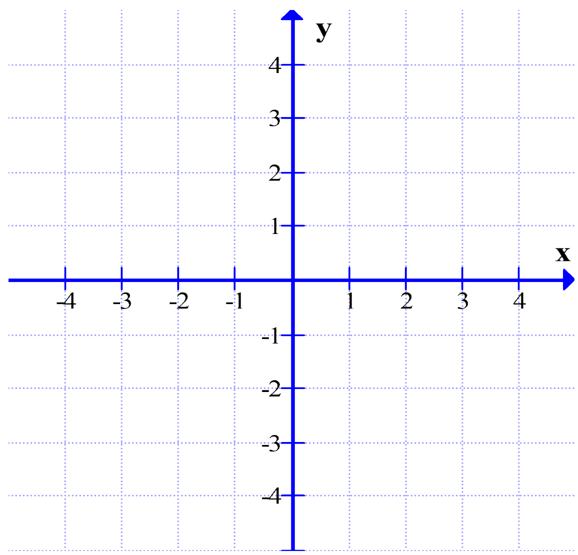
C12 - 9.7 - Find Equation HW

Draw a Graph from before and find the equation!



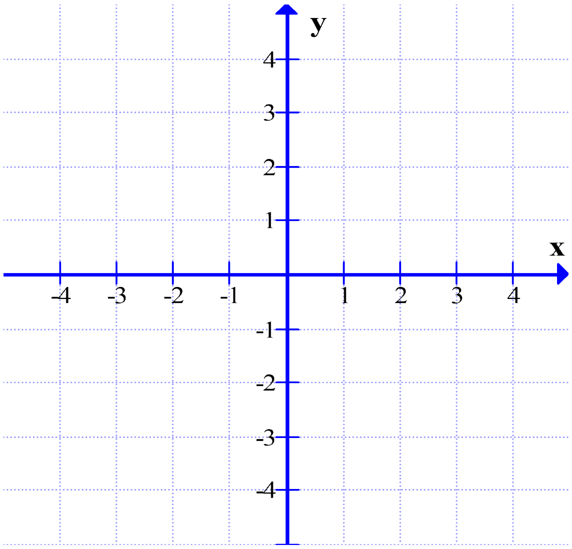


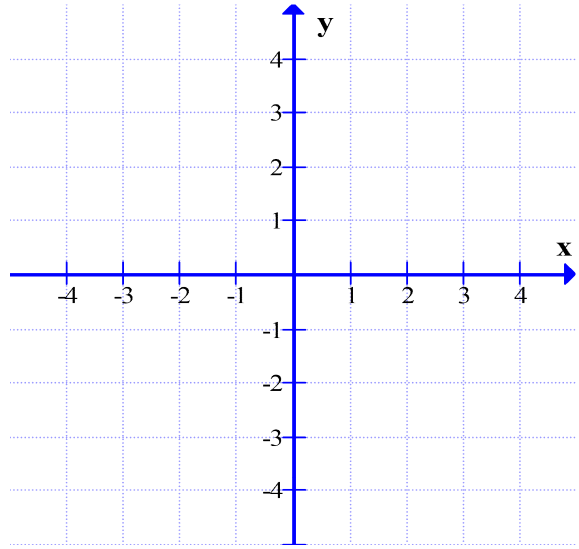


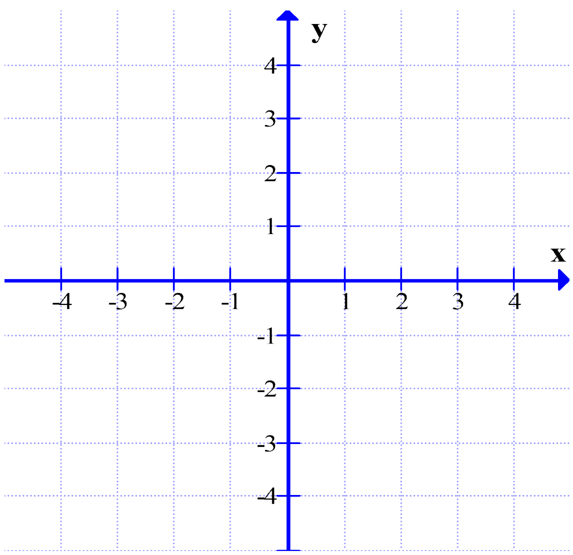


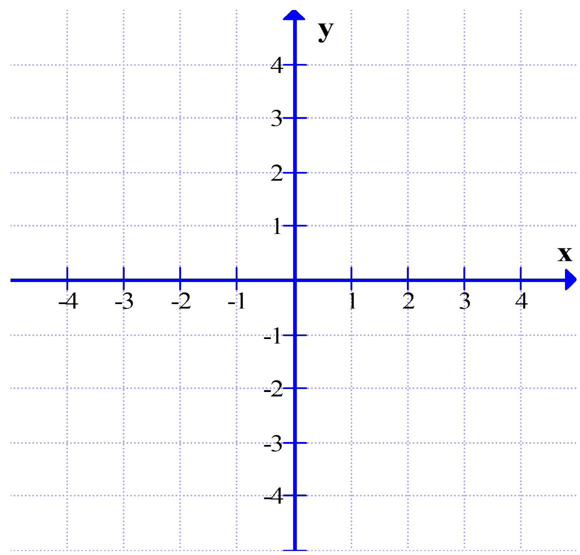
C12 - 9.7 - Find Equation HW

Make Up a graph!









C12 - 9.8 - Graph Review

Graph TOV. State VA's, HA's, x-int and y-int.

$y = \frac{1}{x+1}$ $y = \frac{1}{x-2}$ $y = \frac{1}{x} - 1$ $y = \frac{1}{x} - 2$ $y = -\frac{2}{x}$ $y = -\frac{1}{x}$

$y = \frac{1}{2x+3}$ $y = \frac{1-x}{x}$ $y = \frac{1-2x}{x}$

$y = \frac{x}{x+1}$ $y = \frac{2x-1}{x+2}$ $y = \frac{3x+1}{x-1}$ $y = \frac{x-2}{2x+1}$

$y = \frac{1}{x+1} - 1$ $y = \frac{1}{x+1} - 2$ $y = \frac{2}{x-1} + 1$

$y = \frac{-x}{x+1}$ $y = -\frac{2x+1}{x+1}$ $y = \frac{x+1}{x-1}$

$y = \frac{1}{x^2-9}$ $y = -\frac{1}{x^2-4}$ $y = \frac{1}{x^2-2x-8}$ $y = \frac{1}{2x^2+3x+1}$

$y = \frac{x}{x^2+x-2}$ $y = \frac{x+1}{x^2-4x+3}$

$y = \frac{3x^2}{x^2+1}$

$y = \frac{x^2+x-6}{x+3}$ $y = \frac{x^2-x-2}{x+1}$ $y = \frac{x+1}{x^2+3x+2}$ $y = \frac{x+2}{x^2-x-6}$

$y = \frac{1}{x+1} + x + 2$

$y = \frac{x^2+3x+3}{x+1}$

$y = -\frac{1}{x^2} + 1$ $y = \frac{1}{x^2+4}$

$y = \frac{x^2+1}{x^2}$