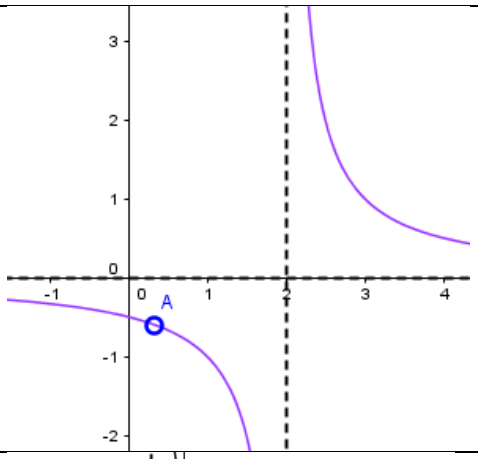
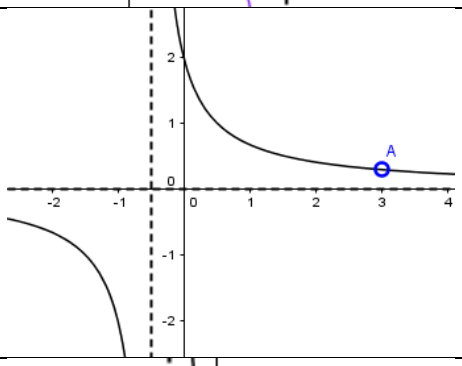
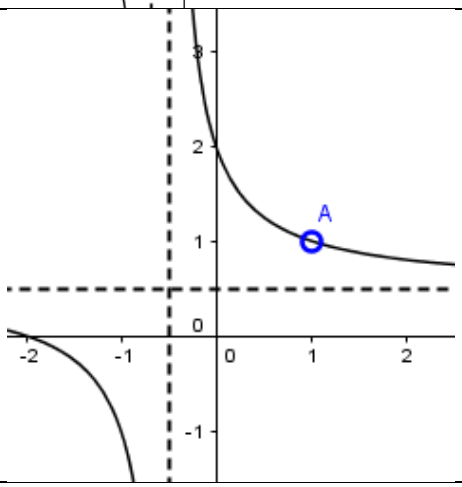
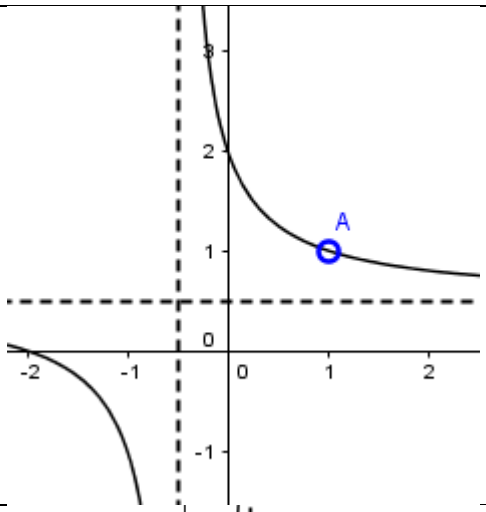
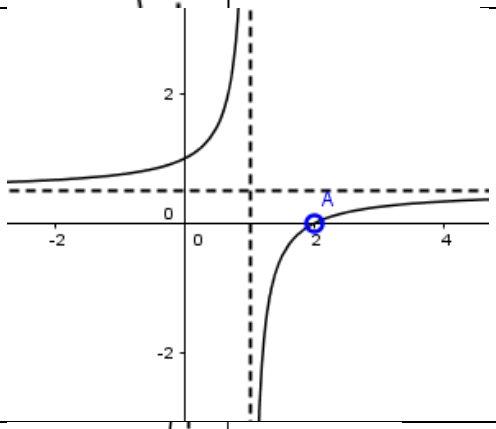
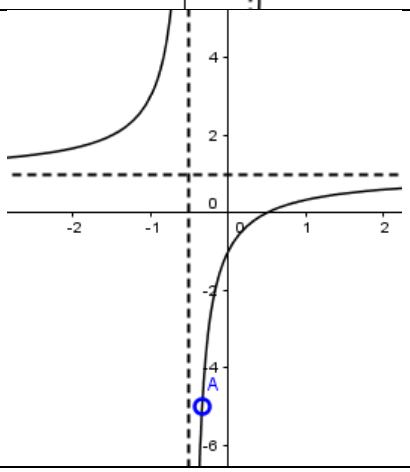
VD unit 2 topic 6

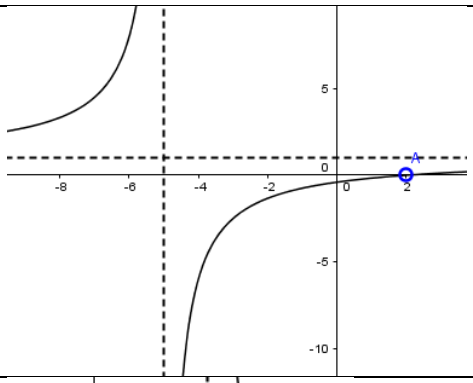
Graph the rational function $f(x)$, identify the holes of the function if it exists.

$f(x)$	holes	Graph
$\frac{3x-1}{3x^2-7x+2}$	$x=\frac{1}{3}$ $(\frac{1}{3},-\frac{3}{5})$	
$\frac{2(x-3)}{2x^2-5x-3}$	x=3 $(3,\frac{2}{7})$	
$\frac{-(x^2+x-2)}{2x^2-x-1}$	x = 1 (1, 1)	

VD unit 2 topic 6

$\frac{-2(x^2+x-6)}{x^2+7x+12}$	x=-3 (-3, 10)	
$\frac{x^2-4x+4}{2(x^2-3x+2)}$	x=2 (2, 0)	
$\frac{6x^2-x-1}{6x^2+5x+1}$	$x=-\frac{1}{3}$ $(-\frac{1}{3},-5)$	

VD unit 2 topic 6

$\frac{x^2-4x+4}{x^2+3x-10}$	x=2 (2,0)	
$\frac{2x-3}{2x^2-5x+3}$	$x=\frac{3}{2}$ $(\frac{3}{2},2)$