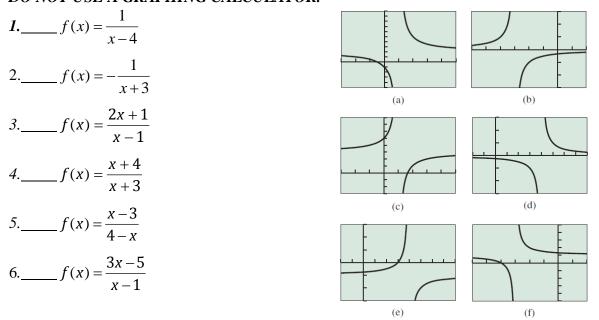
PreCalculus	Name	
WS: 2.7	Date	Block

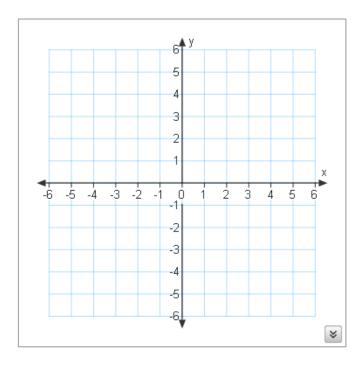
DO NOT USE A GRAPHING CALCULATOR (Except to find your test points and to CHECK your answers) Match the rational function with its graph. DO NOT USE A GRAPHING CALCULATOR.



Find the following parts of the function: *x*-intercept, *y*-intercept, all asymptotes, domain, range, and hole(s), if applicable. Notice in each example if *N*>*D*, *N*=*D* or *N*<*D*. Then graph the function

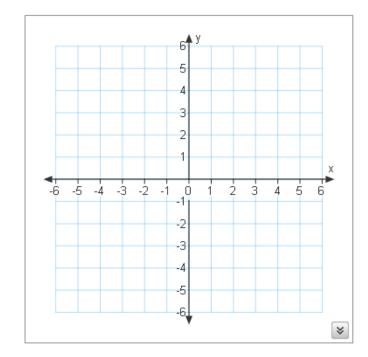
7. $f(x) = \frac{x-3}{x^2+3x}$

Higher Degree N/D?	
Asymptotes:	
hole(s):	
Domain:	
Range:	
<i>x-int (s):</i>	
y-int:	
Test Points:	



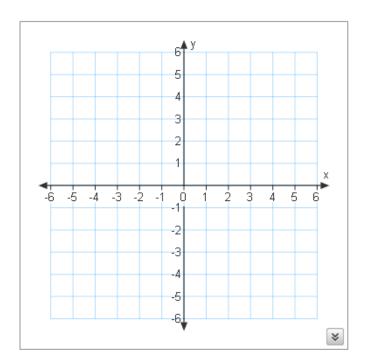
8.
$$f(x) = \frac{x-2}{x^2 - 2x - 3}$$

Higher Degree N/D?	
Asymptotes:	
hole(s):	
Domain:	
Range:	
<i>x-int</i> (<i>s</i>):	
y-int:	
Test Points:	



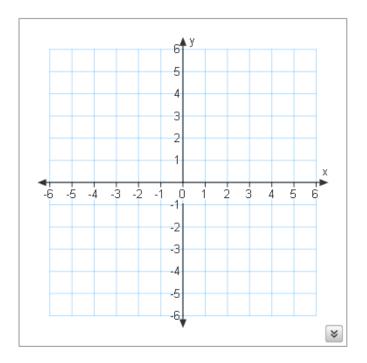
9.
$$f(x) = \frac{x+2}{x^2 - x - 6}$$

Higher Degree N/D?	
Asymptotes:	
hole(s):	
Domain:	
Range:	
<i>x-int</i> (<i>s</i>):	
y-int:	
Test Points:	



10.
$$f(x) = \frac{x^2}{x-1}$$

Higher Degree N/D?	
Asymptotes:	
hole(s):	
Domain:	
Range:	
<i>x-int</i> (<i>s</i>):	
y-int:	
Test Points:	



11.
$$f(x) = \frac{2x^2 - 5x + 5}{x - 2}$$

Higher Degree N/D?	
Asymptotes:	
hole(s):	
Domain:	
Range:	
<i>x-int</i> (<i>s</i>):	
y-int:	
Test Points:	

