

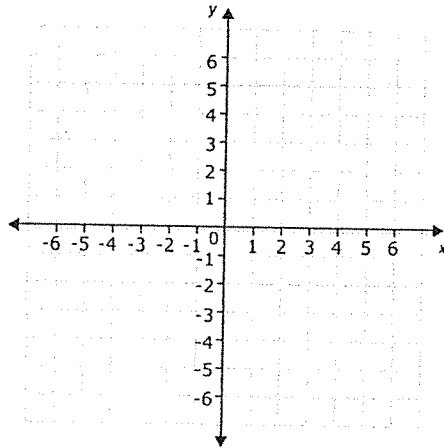
Vertical Asymptotes (#34)

1. Graph f by making a table of values. Label the vertical asymptote.

$$f(x) = \frac{1}{x-3}$$

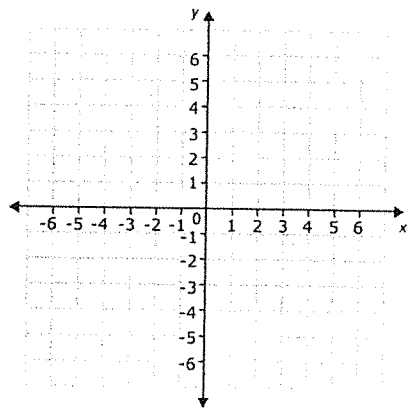
x	$f(x)$
6	
5	
4	
3.5	
3.25	

x	$f(x)$
0	
1	
2	
2.5	
2.75	

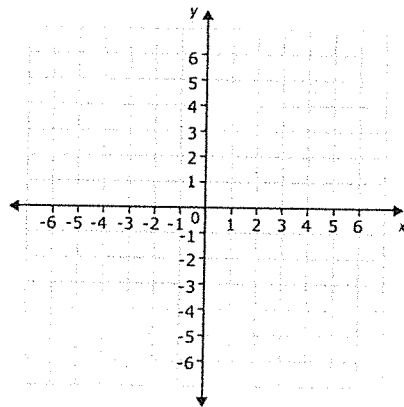


Graph and label vertical asymptotes.

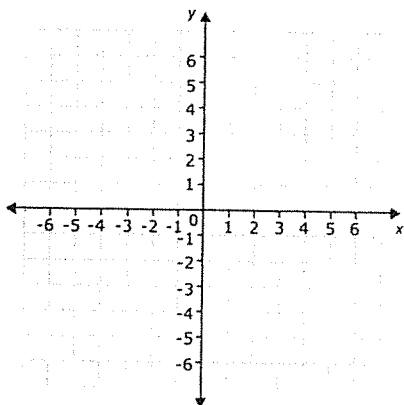
2. $f(x) = \frac{-1}{x}$



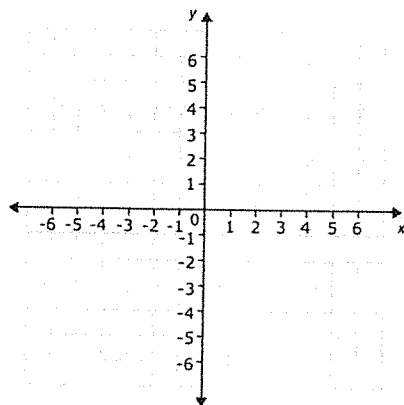
3. $f(x) = \frac{2}{x+3}$



4. $f(x) = \frac{x}{2x^2+4x}$

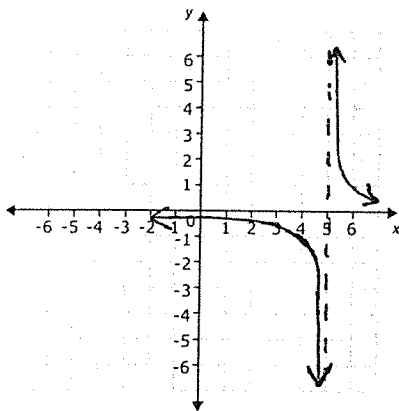


5. $f(x) = \frac{x-3}{x^2+x-12}$

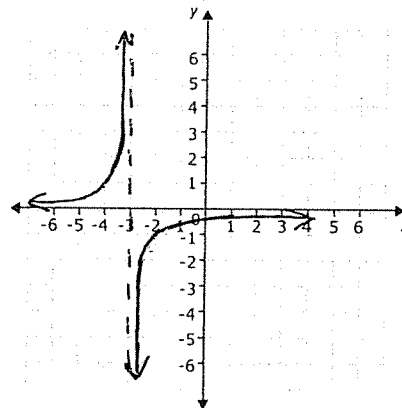


What functions are graphed below?

6.



7.



8.

