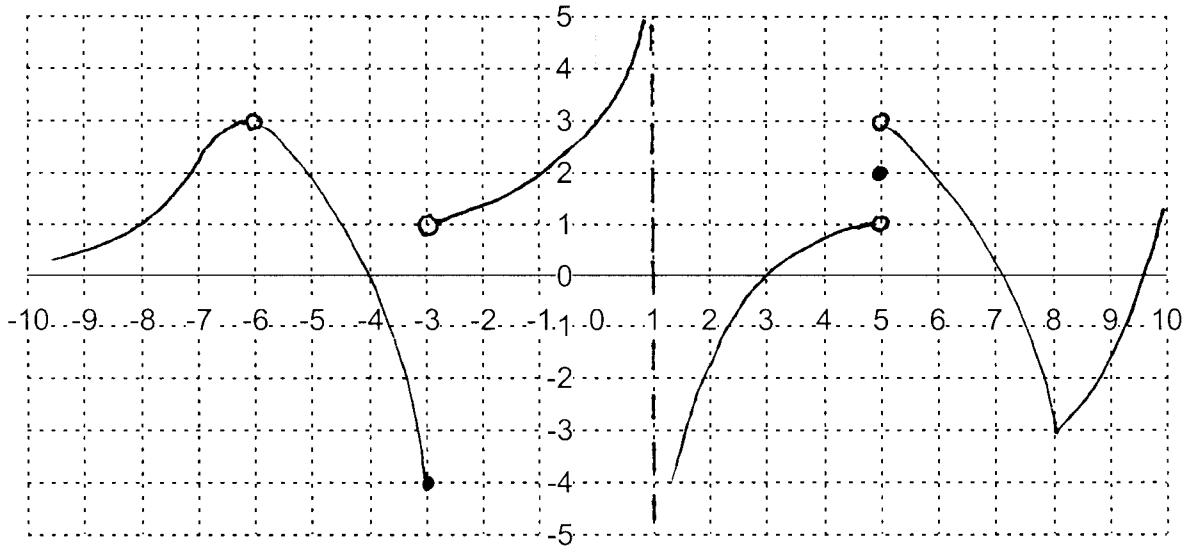
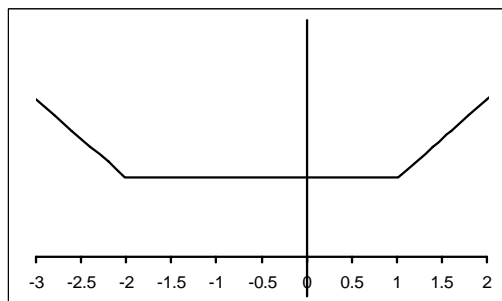
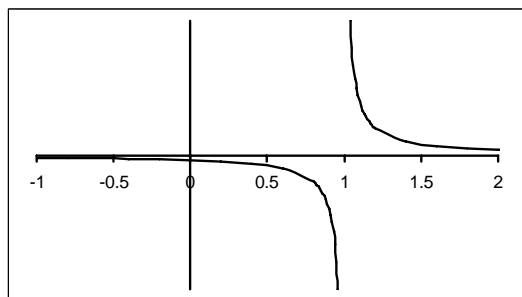
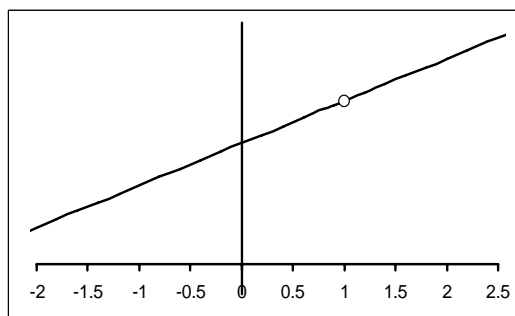
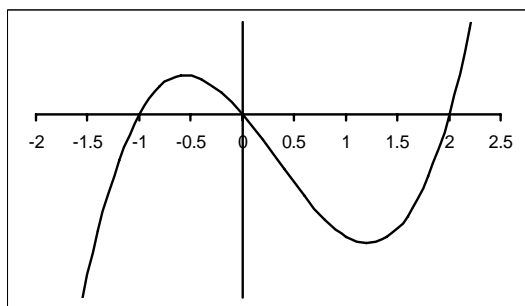


1. Use the graph below to complete the table. Use the words 'undefined' or 'doesn't exist' appropriately.



	$f(a)$	$\lim_{x \rightarrow a^-} f(x)$	$\lim_{x \rightarrow a^+} f(x)$	$\lim_{x \rightarrow a} f(x)$	Continuous at a ?
$a = -6$					
$a = -3$					
$a = 0$					
$a = 1$					
$a = 5$					
$a = 8$					
$+\infty$					
$-\infty$					

2. Determine the values where each graph below is discontinuous and find a possible equation.



3. In each case sketch a graph with the given characteristics.

A. $f(4)$ is undefined
and $\lim_{x \rightarrow 4} f(x) = 2$

B. $f(3) = 2$
and $\lim_{x \rightarrow 3} f(x)$ doesn't exist

C. $f(1) = 3$
and $\lim_{x \rightarrow 1} f(x) = -2$