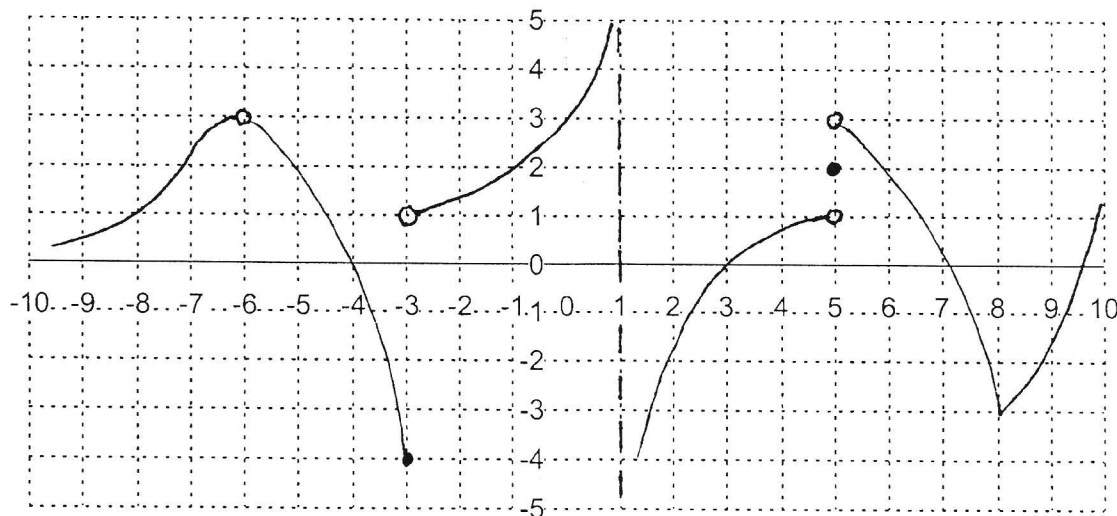


1. Use the graph below to complete the table. Use the words 'undefined' or 'doesn't exist' appropriately.



	$f(a)$	$\lim_{x \rightarrow a^+} f(x)$	$\lim_{x \rightarrow a^-} f(x)$	$\lim_{x \rightarrow a} f(x)$	Continuous at a ?
$a = -6$	undefined	3	3	3	No
$a = -3$	-4	-4	1	DNE	No
$a = 0$	3	3	3	3	Yes
$a = 1$	undefined	Does not exist ∞^+	DNE ∞^-	DNE	No
$a = 5$	2	1	3	DNE	No
$a = 8$	-3	-3	-3	-3	Yes
$+\infty$	makes no sense	DNE ∞^+	makes no sense	DNE ∞^+	makes no sense - only one side
$-\infty$	makes no sense	makes no sense	0	0	makes no sense

hole
break
vertical asymptote
break