x	-2	-2 < x < -1	-1	-1 < x < 1	1	1 < x < 3	3
f(x)	12	Positive	8	Positive	2	Positive	7
f'(x)	-5	Negative	0	Negative	0	Positive	$\frac{1}{2}$
g(x)	-1	Negative	0	Positive	3	Positive	1
g'(x)	2	Positive	$\frac{3}{2}$	Positive	0	Negative	-2

2014 AB #5 (no calculator)

f and g are twice differentiable so both of them and their derivatives are continuous.