

My Limit/Derivative Sudoku

1	A			B				8
	C			7			6	4
2	D	6	8			3		
7	E		3	F			G	
3		1				5		7
	H			5	7		8	I
		J			8	9	3	K
8	9			3				
6				L			7	5

CLUES [Solve the clues and replace the letters with the numerical values]

(A) $\lim_{x \rightarrow 1} \frac{x^3 - 1}{x - 1}$

(B) $\lim_{x \rightarrow \frac{\pi}{2}} 9 \sin x$

(C) $\lim_{h \rightarrow 0} \frac{(8(x+h)+15) - (8x+15)}{h}$

(D) $\lim_{h \rightarrow 0} \frac{(7(x+h)-11) - (7x-11)}{h}$

(E) $\lim_{x \rightarrow 1} \frac{x^5 - 1}{x - 1}$

(F) $\lim_{x \rightarrow 3} (3x - 8)$

(G) $\lim_{x \rightarrow 2} \frac{x^2 - 4}{x - 2}$

(H) $\lim_{x \rightarrow 3} \frac{x^2 - 9}{x - 3}$

(I) $\lim_{x \rightarrow \frac{\pi}{4}} 3 \tan x$

(J) $\lim_{x \rightarrow 0} 2 \cos x$

(K) $\lim_{x \rightarrow 7} (2x - 13)$

(L) $\lim_{x \rightarrow 3} \frac{(2x - 3) - 3}{x - 3}$