x	-3	0	1	4	5
f(x)	-3	-3	-4	1	-3
g(x)	-3	1	3	-4	2
f'(x)	4	-3	-3	-4	2
g'(x)	-2	-1	-1	1	4

- (a) (2 points) (f+g)'(1)
- (b) (2 points) (f g)'(1)
- (c) (2 points) (fg)'(-3)
- (d) (2 points) (f/g)'(0)
- (e) (2 points) (g/f)'(0)
- (f) (2 points) The average value of f on [-3, 5]

x	-2	0	1	4	5
f(x)	-1	2	1	-4	4
g(x)	-4	-1	4	4	-4
f'(x)	3	-4	2	3	-3
g'(x)	1	1	-3	4	-4

- (a) (2 points) (f+g)'(4)
- (b) (2 points) (f g)'(5)
- (c) (2 points) (fg)'(1)
- (d) (2 points) (f/g)'(0)
- (e) (2 points) (g/f)'(0)
- (f) (2 points) The average value of f on [-2, 5]

x	-3	-2	0	2	6
f(x)	3	4	3	4	2
g(x)	-2	-3	-3	3	2
f'(x)	-1	-2	-3	3	-1
g'(x)	4	4	3	-1	-3

- (a) (2 points) (f+g)'(2)
- (b) (2 points) (f g)'(0)
- (c) (2 points) (fg)'(2)
- (d) (2 points) (f/g)'(2)
- (e) (2 points) (g/f)'(-3)
- (f) (2 points) The average value of f on [-3, 6]

x	-2	-1	2	3	6
f(x)	3	3	-2	-1	-1
g(x)	-4	-1	-3	-3	-1
f'(x)	-1	0	4	1	-2
g'(x)	2	3	-4	1	0

- (a) (2 points) (f+g)'(-1)
- (b) (2 points) (f g)'(-1)
- (c) (2 points) (fg)'(3)
- (d) (2 points) (f/g)'(-1)
- (e) (2 points) (g/f)'(2)
- (f) (2 points) The average value of f on  $[-2,\,6]$

x	-2	0	1	4	5
f(x)	-1	-4	2	-2	2
g(x)	-4	-4	-3	-4	1
f'(x)	-4	-2	-3	-4	0
g'(x)	-4	-2	-1	0	4

- (a) (2 points) (f+g)'(0)
- (b) (2 points) (f g)'(0)
- (c) (2 points) (fg)'(-2)
- (d) (2 points) (f/g)'(4)
- (e) (2 points) (g/f)'(1)
- (f) (2 points) The average value of f on [-2, 5]

x	-3	0	2	3	4
f(x)	-1	3	0	-3	2
g(x)	3	4	-4	-3	-4
f'(x)	1	-1	-2	-3	-3
g'(x)	0	4	-1	2	3

- (a) (2 points) (f+g)'(0)
- (b) (2 points) (f g)'(-3)
- (c) (2 points) (fg)'(2)
- (d) (2 points) (f/g)'(-3)
- (e) (2 points) (g/f)'(-3)
- (f) (2 points) The average value of f on  $[-3,\,4]$

x	-4	-1	2	3	4
f(x)	-3	-2	-1	1	3
g(x)	-2	-2	-1	-1	0
f'(x)	-3	1	-1	-1	4
g'(x)	4	0	4	-4	1

- (a) (2 points) (f+g)'(2)
- (b) (2 points) (f g)'(-4)
- (c) (2 points) (fg)'(4)
- (d) (2 points) (f/g)'(-4)
- (e) (2 points) (g/f)'(-1)
- (f) (2 points) The average value of f on [-4, 4]

x	-4	-3	-1	4	6
f(x)	1	-4	-4	0	1
g(x)	2	-2	-2	-4	2
f'(x)	1	-3	-2	-4	-3
g'(x)	2	1	3	4	2

- (a) (2 points) (f+g)'(6)
- (b) (2 points) (f g)'(-4)
- (c) (2 points) (fg)'(-1)
- (d) (2 points) (f/g)'(4)
- (e) (2 points) (g/f)'(-1)
- (f) (2 points) The average value of f on  $[-4,\,6]$

x	-4	-3	-1	3	6
f(x)	-2	-1	2	2	-1
g(x)	2	3	0	2	1
f'(x)	-1	1	-2	-3	-3
g'(x)	0	-2	4	-2	3

- (a) (2 points) (f+g)'(-1)
- (b) (2 points) (f g)'(-3)
- (c) (2 points) (fg)'(-3)
- (d) (2 points) (f/g)'(3)
- (e) (2 points) (g/f)'(-4)
- (f) (2 points) The average value of f on  $[-4,\,6]$

x	-2	-1	2	3	5
f(x)	-4	-3	0	3	3
g(x)	-3	3	1	0	3
f'(x)	4	-2	3	3	3
g'(x)	-1	-2	-1	0	4

- Based on the table above, find the following, if possible:
- (a) (2 points) (f+g)'(-1)
- (b) (2 points) (f g)'(5)
- (c) (2 points) (fg)'(5)
- (d) (2 points) (f/g)'(3)
- (e) (2 points) (g/f)'(3)
- (f) (2 points) The average value of f on [-2, 5]