Derivatives of inverse **Name (Print):** _____

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1. Based on the table below, find $g'(-3)$

x	-3	-1	0	4
$f(x)$	0	4	-3	-1
$f'(x)$	36	32	10	1

Solution: $\frac{1}{10}$

2. Based on the table below, find $g'(1)$

x	-4	-1	1	4
$f(x)$	-1	4	-4	1
$f'(x)$	10	-14	33	-42

Solution: $-\frac{1}{42}$

3. Based on the table below, find $g'(-2)$

x	-4	-2	2	3
$f(x)$	-2	3	-4	2
$f'(x)$	21	-27	-21	-23

Solution: $\frac{1}{21}$

4. Based on the table below, find $g'(-2)$

x	-2	0	2	3
$f(x)$	0	3	-2	2
$f'(x)$	-47	24	40	-26

Solution: $\frac{1}{40}$

5. Based on the table below, find $g'(-4)$

x	-4	0	1	3
$f(x)$	3	1	0	-4
$f'(x)$	42	-21	25	2

Solution: $\frac{1}{2}$

6. Based on the table below, find $g'(1)$

x	-2	0	1	4
$f(x)$	0	1	4	-2
$f'(x)$	24	47	-34	39

Solution: $\frac{1}{47}$

7. Based on the table below, find $g'(1)$

x	-3	-2	1	3
$f(x)$	3	-3	-2	1
$f'(x)$	-15	-14	-16	-4

Solution: $-\frac{1}{4}$

8. Based on the table below, find $g'(1)$

x	-4	0	1	3
$f(x)$	0	-4	3	1
$f'(x)$	27	-42	-20	-32

Solution: $-\frac{1}{32}$

9. Based on the table below, find $g'(2)$

x	-2	0	2	4
$f(x)$	2	4	0	-2
$f'(x)$	47	21	31	24

Solution: $\frac{1}{47}$

10. Based on the table below, find $g'(4)$

x	-3	-1	2	4
$f(x)$	2	4	-3	-1
$f'(x)$	10	-6	31	17

Solution: $-\frac{1}{6}$

11. Based on the table below, find $g'(0)$

x	-4	0	1	4
$f(x)$	4	-4	0	1
$f'(x)$	-20	5	26	17

Solution: $\frac{1}{26}$

12. Based on the table below, find $g'(3)$

x	-2	-1	1	3
$f(x)$	-1	1	3	-2
$f'(x)$	47	-6	-47	-32

Solution: $-\frac{1}{47}$

13. Based on the table below, find $g'(-3)$

x	-4	-3	2	4
$f(x)$	-3	4	-4	2
$f'(x)$	22	-29	-7	41

Solution: $\frac{1}{22}$

14. Based on the table below, find $g'(-4)$

x	-4	-2	1	2
$f(x)$	1	2	-4	-2
$f'(x)$	10	7	-29	-17

Solution: $-\frac{1}{29}$

15. Based on the table below, find $g'(2)$

x	-2	-1	0	2
$f(x)$	0	2	-2	-1
$f'(x)$	28	-10	13	2

Solution: $-\frac{1}{10}$

16. Based on the table below, find $g'(1)$

x	-3	-2	1	4
$f(x)$	4	1	-3	-2
$f'(x)$	43	41	3	2

Solution: $\frac{1}{41}$