1. Suppose f and g are differentiable functions where $g(x) = f^{-1}(x)$ for all x. Suppose further that

$$f(4) = 5$$
, $f(3) = 7$, $f(7) = 4$, $f(5) = 3$
 $f'(4) = -9$, $f'(3) = 10$, $f'(7) = -7$, $f'(5) = 6$

Find g'(5).

2. Suppose f and g are differentiable functions where $g(x) = f^{-1}(x)$ for all x. Suppose further that

$$f(6) = 2$$
, $f(2) = 7$, $f(1) = 6$, $f(7) = 1$
 $f'(6) = 2$, $f'(2) = -9$, $f'(1) = 4$, $f'(7) = 1$

Find g'(1).

3. Suppose f and g are differentiable functions where $g(x) = f^{-1}(x)$ for all x. Suppose further that

$$f(2) = -3$$
, $f(7) = 2$, $f(-3) = -8$, $f(-8) = 7$
 $f'(2) = 2$, $f'(7) = 8$, $f'(-3) = 4$, $f'(-8) = 5$

Find g'(-3).

4. Suppose f and g are differentiable functions where $g(x) = f^{-1}(x)$ for all x. Suppose further that

$$f(1) = 7$$
, $f(-8) = 1$, $f(7) = -3$, $f(-3) = -8$
 $f'(1) = -10$, $f'(-8) = -4$, $f'(7) = 8$, $f'(-3) = 10$

Find g'(7).

5. Suppose f and g are differentiable functions where $g(x) = f^{-1}(x)$ for all x. Suppose further that

$$f(6) = 0$$
, $f(-3) = 6$, $f(0) = 7$, $f(7) = -3$
 $f'(6) = -4$, $f'(-3) = 5$, $f'(0) = 7$, $f'(7) = 4$

Find g'(7).

6. Suppose f and g are differentiable functions where $g(x) = f^{-1}(x)$ for all x. Suppose further that

$$f(9) = -6$$
, $f(10) = 6$, $f(6) = 10$, $f(-6) = 9$
 $f'(9) = 1$, $f'(10) = 2$, $f'(6) = 9$, $f'(-6) = -1$

Find g'(10).

7. Suppose f and g are differentiable functions where $g(x) = f^{-1}(x)$ for all x. Suppose further that

$$f(7) = -1$$
, $f(4) = 7$, $f(3) = 4$, $f(-1) = 3$
 $f'(7) = -4$, $f'(4) = 4$, $f'(3) = 8$, $f'(-1) = -6$

Find g'(7).

8. Suppose f and g are differentiable functions where $g(x) = f^{-1}(x)$ for all x. Suppose further that

$$f(-9) = 7$$
, $f(8) = 6$, $f(6) = -9$, $f(7) = 8$
 $f'(-9) = 6$, $f'(8) = 4$, $f'(6) = -4$, $f'(7) = 3$

Find g'(-9).

9. Suppose f and g are differentiable functions where $g(x) = f^{-1}(x)$ for all x. Suppose further that

$$f(3) = -9$$
, $f(-9) = -2$, $f(9) = 3$, $f(-2) = 9$
 $f'(3) = 8$, $f'(-9) = -4$, $f'(9) = -10$, $f'(-2) = -5$

Find g'(-9).

10. Suppose f and g are differentiable functions where $g(x) = f^{-1}(x)$ for all x. Suppose further that

$$f(3) = 6$$
, $f(6) = -9$, $f(-9) = -1$, $f(-1) = 3$
 $f'(3) = 10$, $f'(6) = 4$, $f'(-9) = 1$, $f'(-1) = 7$

Find g'(-9).

11. Suppose f and g are differentiable functions where $g(x) = f^{-1}(x)$ for all x. Suppose further that

$$f(-3) = 0$$
, $f(0) = 8$, $f(1) = -3$, $f(8) = 1$
 $f'(-3) = -8$, $f'(0) = -10$, $f'(1) = -9$, $f'(8) = -6$

Find g'(-3).

12. Suppose f and g are differentiable functions where $g(x) = f^{-1}(x)$ for all x. Suppose further that

$$f(0) = 1$$
, $f(-3) = 3$, $f(3) = 0$, $f(1) = -3$
 $f'(0) = -10$, $f'(-3) = -7$, $f'(3) = 4$, $f'(1) = -9$

Find g'(-3).

13. Suppose f and g are differentiable functions where $g(x) = f^{-1}(x)$ for all x. Suppose further that

$$f(-9) = 9$$
, $f(-7) = 7$, $f(9) = -7$, $f(7) = -9$
 $f'(-9) = -5$, $f'(-7) = 1$, $f'(9) = 5$, $f'(7) = 10$

Find g'(7).

14. Suppose f and g are differentiable functions where $g(x) = f^{-1}(x)$ for all x. Suppose further that

$$f(9) = -10, \quad f(-10) = 1, \quad f(1) = 8, \quad f(8) = 9$$

 $f'(9) = -7, \quad f'(-10) = -2, \quad f'(1) = -8, \quad f'(8) = -10$

Find q'(-10).

15. Suppose f and g are differentiable functions where $g(x) = f^{-1}(x)$ for all x. Suppose further that

$$f(-4) = 4$$
, $f(4) = 7$, $f(-1) = -4$, $f(7) = -1$
 $f'(-4) = -6$, $f'(4) = 2$, $f'(-1) = -8$, $f'(7) = -4$

Find g'(7).

16. Suppose f and g are differentiable functions where $g(x) = f^{-1}(x)$ for all x. Suppose further that

$$f(10) = -4$$
, $f(4) = 10$, $f(-6) = 4$, $f(-4) = -6$
 $f'(10) = 10$, $f'(4) = 9$, $f'(-6) = -3$, $f'(-4) = -5$

Find g'(10).

17. Suppose f and g are differentiable functions where $g(x) = f^{-1}(x)$ for all x. Suppose further that

$$f(-7) = 2$$
, $f(2) = -7$, $f(0) = 7$, $f(7) = 0$
 $f'(-7) = -6$, $f'(2) = 5$, $f'(0) = -8$, $f'(7) = 1$

Find g'(7).

18. Suppose f and g are differentiable functions where $g(x) = f^{-1}(x)$ for all x. Suppose further that

$$f(7) = 2$$
, $f(-7) = 7$, $f(-1) = -7$, $f(2) = -1$
 $f'(7) = 4$, $f'(-7) = 1$, $f'(-1) = -7$, $f'(2) = 10$

Find g'(2).

19. Suppose f and g are differentiable functions where $g(x) = f^{-1}(x)$ for all x. Suppose further that

$$f(10) = -7$$
, $f(9) = 10$, $f(-10) = 9$, $f(-7) = -10$
 $f'(10) = -3$, $f'(9) = -5$, $f'(-10) = 1$, $f'(-7) = 2$

Find g'(-7).

20. Suppose f and g are differentiable functions where $g(x) = f^{-1}(x)$ for all x. Suppose further that

$$f(10) = -4$$
, $f(-2) = 10$, $f(2) = -2$, $f(-4) = 2$
 $f'(10) = -4$, $f'(-2) = -1$, $f'(2) = 9$, $f'(-4) = 5$

Find g'(-2).