

Invertible Functions - Matching Worksheet

Match the inverses to each other.

1.

x	9	7	8	4	9	6	5	2
$f(x)$	8	5	13	8	18	4	3	18

a.

$$f^{-1}(x) = 5/x - 1$$

2. $f(x) = 4x - 2$

b. $f^{-1}(x) = 6/x - 1$ 3. $f(x) = \frac{x+8}{x}$

c. $\{(0,9)(5,2)(12,3)(5,4)(10,9)(4,3)(3,5)(10,2)\}$

4.

x	9	2	3	4	9	3	5	2
$f(x)$	0	5	12	5	10	4	3	10

d. $f^{-1}(x) = 8/x - 1$ 5. $f(x) = 2x - 4$

e. $\{(8,9)(5,7)(13,8)(8,4)(18,9)(4,6)(3,5)(18,2)\}$ 6. $f(x) = \frac{x+6}{x}$

f. $f^{-1}(x) = (y+2)/4$

7.

X	5	4	13	8	9	8	4	8
$f(x)$	2	6	13	7	2	4	3	4

g. $\{(2,5)(6,4)(13,13)(7,8)(2,9)(4,8)(3,4)(4,8)\}$ 8. $f(x) = 10x - 7$

h. $\{(0,9)(7,8)(1,0)(15,14)(0,7)(14,0)(9,7)(5,2)\}$ 9. $f(x) = \frac{x+5}{x}$

i. $f^{-1}(x) = (y+7) \setminus 10$

10.

x	9	8	0	14	7	0	7	2
$f(x)$	0	7	1	15	0	14	9	5

j. $f^{-1}(x)(y+4)/2$ 