Name: _____

Evaluating Inverse Functions

A) If $h(x) = f^{-1}(x)$ and $f(3) = -9$, $f(0) = 3$, $f(-9) = -12$, $f(6) = 15$ and $f(-4) = 6$.
Find the following.

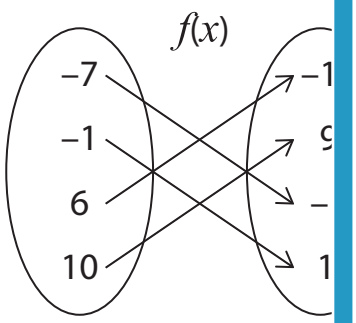
1) $h(15)$

2) $f^{-1}(-12)$

3) $2h(-12) - 5f^{-1}(3)$

4) $f^{-1}(-9) \times 3f(-4)$

B) Find the following.



$f^{-1}(-1)$

$\frac{6f(-1)}{f^{-1}(9)}$

C) Find the following.

x	−6	
$f(x)$	−13	

1) $f^{-1}(0)$

3) $f(-5) \times 2f^{-1}(-5)$

4) $3f^{-1}(14) + 4f(6)$

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Answer key

Sheet 2

Evaluating Inverse Functions

A) If $h(x) = f^{-1}(x)$ and $f(3) = -9$, $f(0) = 3$, $f(-9) = -12$, $f(6) = 15$ and $f(-4) = 6$.
Find the following.

1) $h(15)$

6

2) $f^{-1}(-12)$

–9

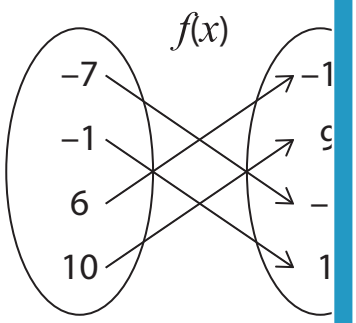
3) $2h(-12) - 5f^{-1}(3)$

–1

4) $f^{-1}(-9) \times 3f(-4)$

54

B) Find the following.



$f^{-1}(-1)$

–7

$\frac{6f(-1)}{f^{-1}(9)}$

6

C) Find the following.

x	–6	
$f(x)$	–13	

1) $f^{-1}(0)$

–2

2) $f^{-1}(-6)$

3) $f(-5) \times 2f^{-1}(-5)$

4

4) $3f^{-1}(14) + 4f(6)$

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