

Name: _____

Date: _____

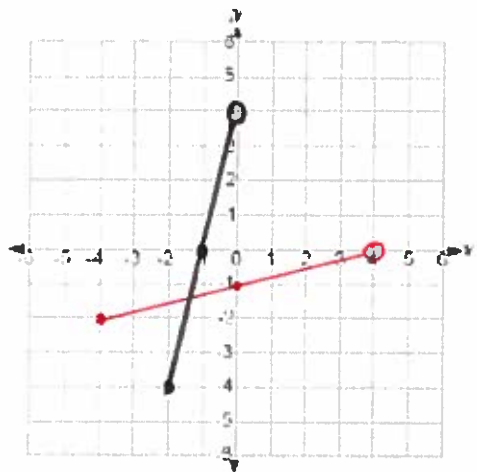
Period: _____

Key

Inverse Functions Practice

Directions: The graph of $f(x)$ is given. Graph $f^{-1}(x)$ on the graph and then state the domain and range of both $f(x)$ and $f^{-1}(x)$.

1.



What is the domain and range of $f(x)$?

Domain: $[-2, 0)$

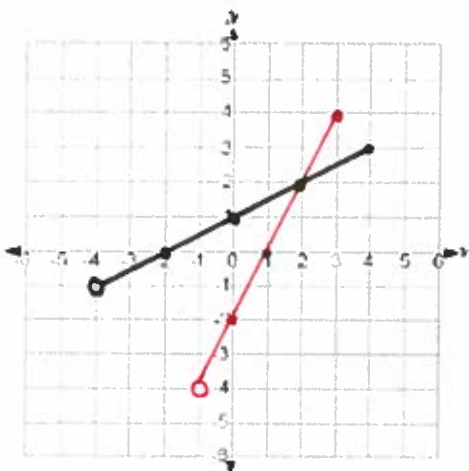
Range: $[-4, 4)$

What is the domain and range of $f^{-1}(x)$?

Domain: $[-4, 4)$

Range: $[-2, 0)$

2.



What is the domain and range of $f(x)$?

Domain: $(-4, 4]$

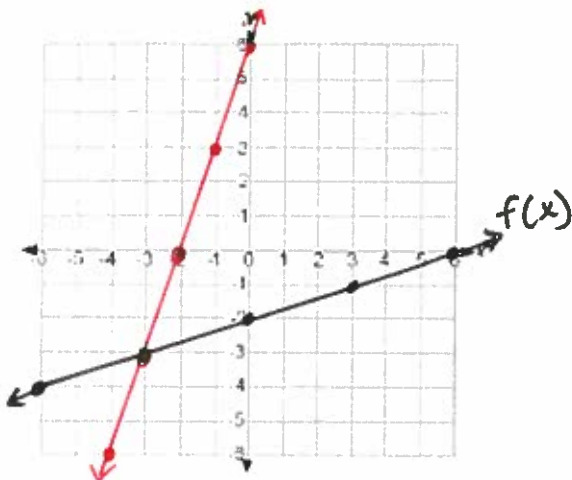
Range: $(-1, 3]$

What is the domain and range of $f^{-1}(x)$?

Domain: $(-1, 3]$

Range: $(-4, 4]$

3.



$f(x) = \frac{1}{3}x - 2$

What is the domain and range of $f(x)$?

Domain: $(-\infty, \infty)$

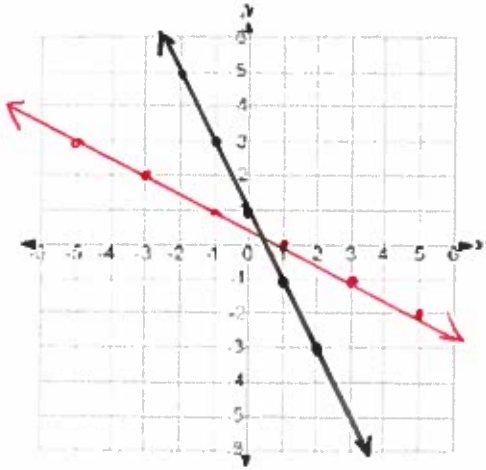
Range: $(-\infty, \infty)$

What is the domain and range of $f^{-1}(x)$?

Domain: $(-\infty, \infty)$

Range: $(-\infty, \infty)$

4.



$$f(x) = -2x + 1$$

What is the domain and range of $f(x)$?

Domain: $(-\infty, \infty)$

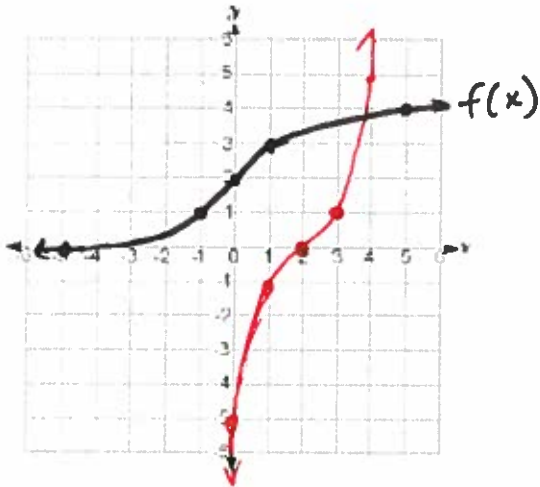
Range: $(-\infty, \infty)$

What is the domain and range of $f^{-1}(x)$?

Domain: $(-\infty, \infty)$

Range: $(-\infty, \infty)$

5.



What is the domain and range of $f(x)$?

Domain: $(-\infty, \infty)$

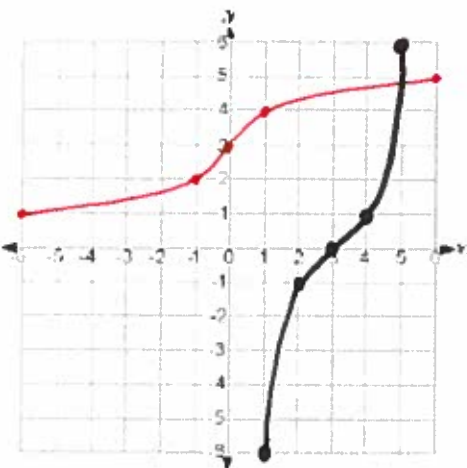
Range: $(-\infty, \infty)$

What is the domain and range of $f^{-1}(x)$?

Domain: $(-\infty, \infty)$

Range: $(-\infty, \infty)$

6.



What is the domain and range of $f(x)$?

Domain: $[1, 5]$

Range: $[-6, 6]$

What is the domain and range of $f^{-1}(x)$?

Domain: $[-6, 6]$

Range: $[1, 5]$