

Math Sheet

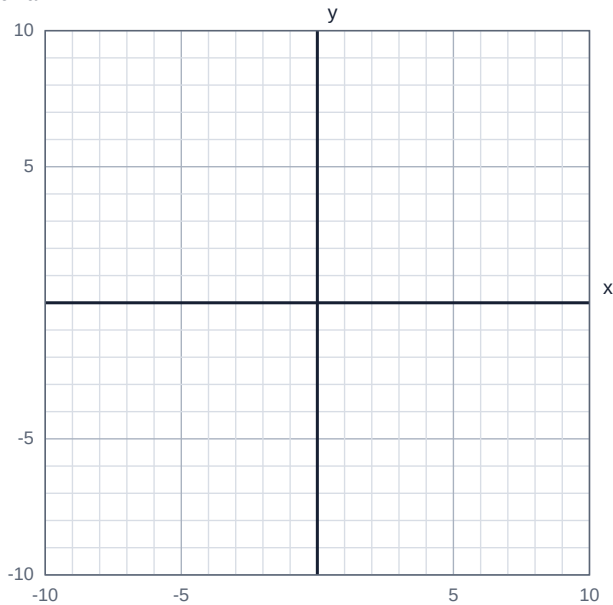
Name _____ Score _____ / 4 Teacher _____ Date _____

Graphing Inverse Functions

Find the inverse. Graph f and its inverse on the given domains. $\mathbb{R}$ means all real numbers.

1. $f(x) = \frac{1}{5} \cdot x + 2$

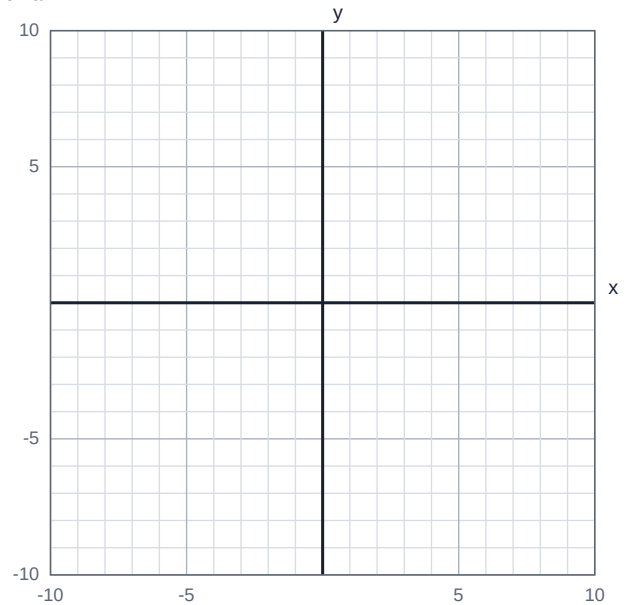
Domain: $\mathbb{R}$



Inverse: _____

2. $f(x) = 2 \cdot x$

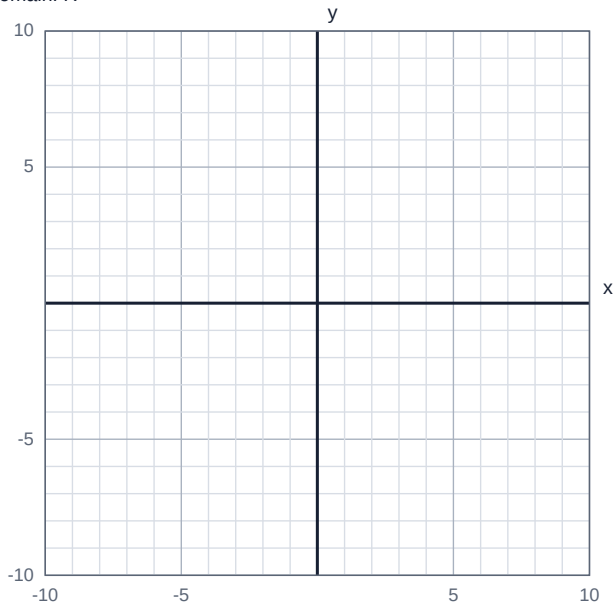
Domain: $\mathbb{R}$



Inverse: _____

3. $f(x) = x + 1$

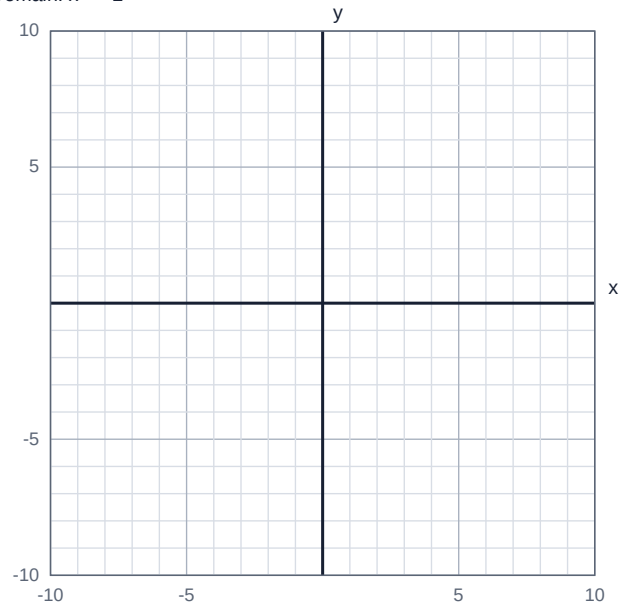
Domain: $\mathbb{R}$



Inverse: _____

4. $f(x) = 2 \cdot (x - 2)^2$

Domain: $x \geq 2$



Inverse: _____

Math Sheet

Name _____ Score _____ / 4 Teacher _____ Date _____

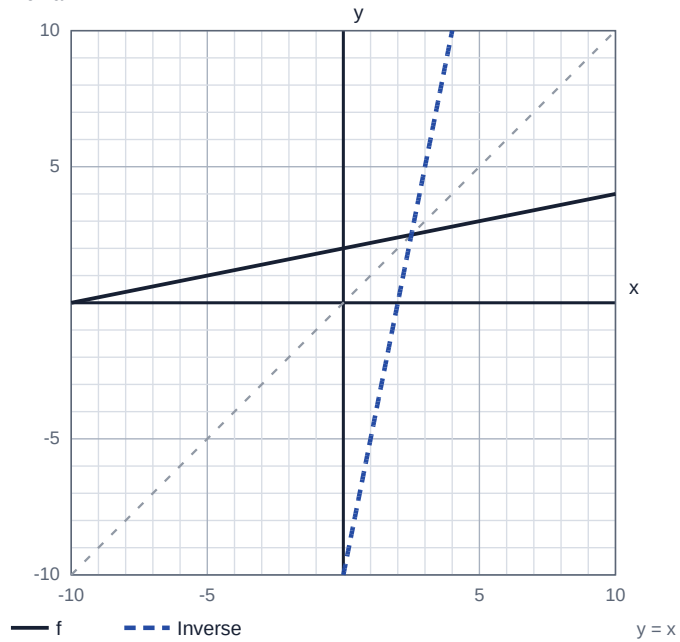
Graphing Inverse Functions

Answer key

Find the inverse. Graph f and its inverse on the given domains. R means all real numbers.

1. $f(x) = \frac{1}{5} \cdot x + 2$

Domain: R



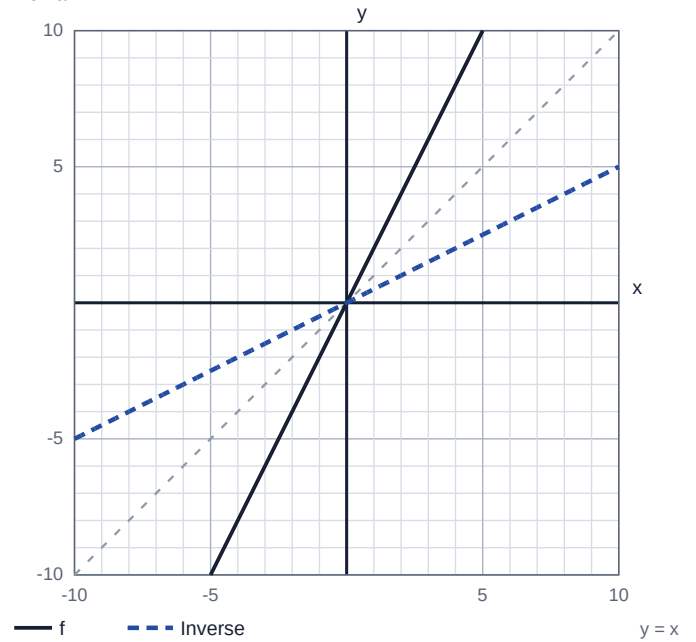
$f^{-1}(x) = 5 \cdot x - 10$

Domain: R

Range: R

2. $f(x) = 2 \cdot x$

Domain: R



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

Domain: R

Range: R

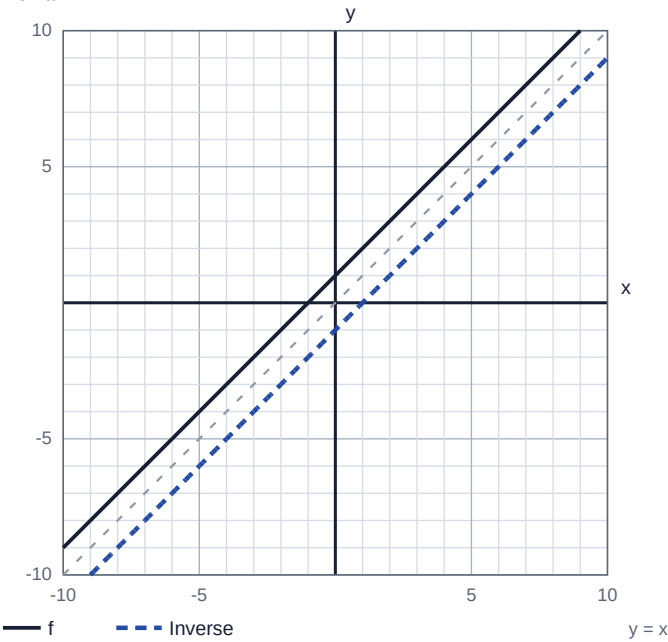
Graphing Inverse Functions

Answer key

Find the inverse. Graph f and its inverse on the given domains. R means all real numbers.

3. $f(x) = x + 1$

Domain: R



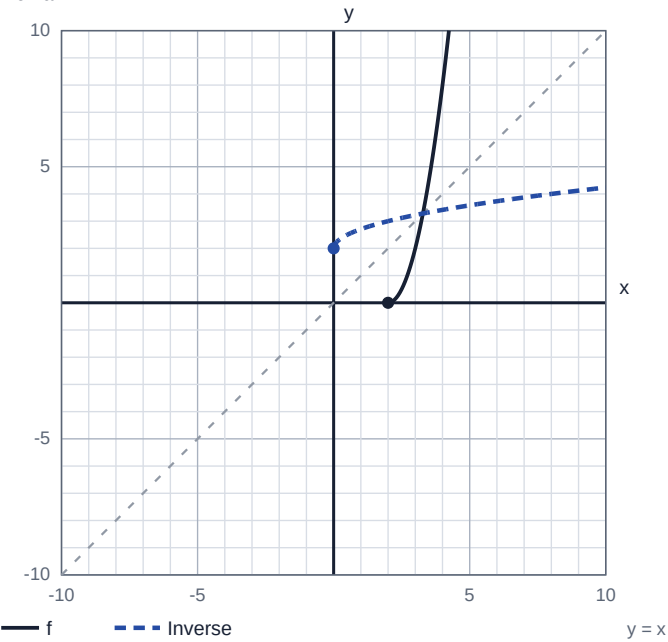
$f^{-1}(x) = x - 1$

Domain: R

Range: R

4. $f(x) = 2 \cdot (x - 2)^2$

Domain: $x \geq 2$



$f^{-1}(x) = \sqrt{\frac{x}{2}} + 2$

Domain: $x \geq 0$

Range: $y \geq 2$