

## Inverses Talk Frame

Given the function  $f(x)=3x+2$

Jeana claims the inverse of  $f(x)$  is represented by the following table.

John claims the inverse of  $f(x)$  is represented by the following equation.

Kevin claims the inverse of  $f(x)$  is represented by the following graph.

Jeana's Inverse Claim	John's Inverse Claim	Kevin's Inverse Claim										
<table border="1" style="width: 100%; border-collapse: collapse;"><thead><tr><th style="width: 50%; text-align: center;">x</th><th style="width: 50%; text-align: center;"><math>f^{-1}(x)</math></th></tr></thead><tbody><tr><td style="text-align: center;">8</td><td style="text-align: center;">2</td></tr><tr><td style="text-align: center;">2</td><td style="text-align: center;">0</td></tr><tr><td style="text-align: center;">-10</td><td style="text-align: center;">-4</td></tr><tr><td style="text-align: center;">5</td><td style="text-align: center;">1</td></tr></tbody></table>	x	$f^{-1}(x)$	8	2	2	0	-10	-4	5	1	$f^{-1}(x) = x - \frac{2}{3}$	
x	$f^{-1}(x)$											
8	2											
2	0											
-10	-4											
5	1											

For each claim, state whether it is correct or incorrect, and create an argument to defend your claim.