17. **REINFORCE** Find the inverse function of $y = 5x - 10$.

18. **REINFORCE** Graph the inverse function of $f(x) = 2x + 4$.

19. **REINFORCE** For each of the following function rules, generate a table of data describing the function, f, and its inverse, g. Then, generate the rule for the inverse in two ways: directly from the data for the inverse and by algebraic manipulation of the original function rule. If necessary, show that your two inverse rules are equivalent.

a. $f(x) = 100 + 4x$

x	$f(x)$
-50	
-25	
0	
25	
50	

x	$g(x)$

b. $f(x) = -\frac{1}{4}x+100$

x	$f(x)$
-100	
0	
100	
200	
300	
400	

x	$g(x)$

c. $f(x) = \frac{x+25}{5}$ (Choose your own set of x-values.)

x	$f(x)$	$g(x)$

20. **REINFORCE** Find the inverse function of $y = -3x + 8$.

21. **REINFORCE** Find the inverse function of $y = \frac{3}{5}x - 12$.