Write the equation of the inverse relation for each function.

1. 
$$y = 2(x-8)^3 + 7$$

2. 
$$y = 6\frac{4x-9}{2} - 8$$

3. 
$$y = \sqrt{\frac{2x+7}{5}} - 11$$

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

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

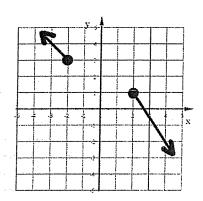
$$f^{-1}(x) =$$

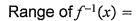
State the Domain and Range for the inverse relation of the given graph of each function.

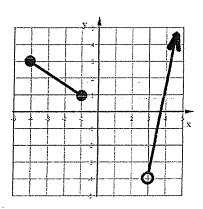
4. Domain of 
$$f^{-1}(x) =$$

5. Domain of 
$$f^{-1}(x) =$$

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

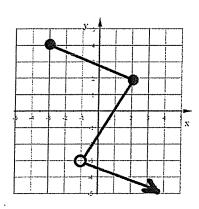




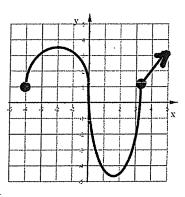


State if the inverse relation of each graph is a function.

6.



7.



Use your knowledge of what the graph of each function looks like or graph it too see then tell if the inverse relation is a function.

8. 
$$y = 8x - 2$$

9. 
$$x^2 + 9x - 10$$

10. 
$$f(x) = 2x^3 - x^2 - 15x - 1$$