Name_____

Period_____

Find the inverse of each relation shown below. Determine whether the inverse is a function or not. If not, why not? Be specific.

1.

x	-2	-1	0	1	2
y	-8	-7	-6	- 5	- 4

2. $M = \{(-2,-5), (-1,-5), (0,-5), (1,-5), (2,-5)\}$

Find the inverse of each function shown below.

3. $g(x) = -7x + 3$
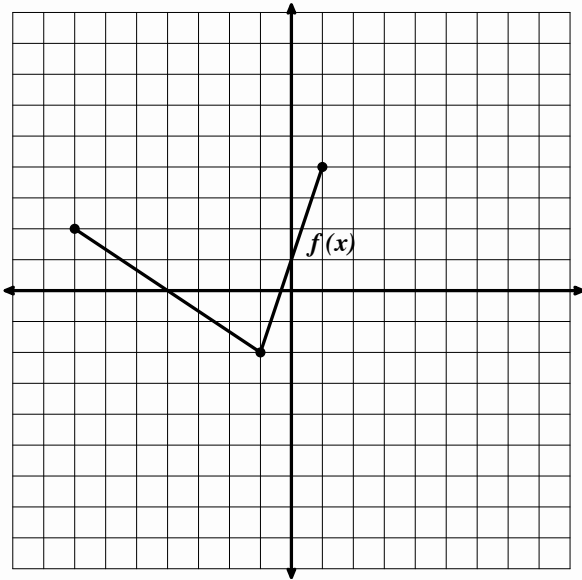
4. $h(x) = x^3 + 5$

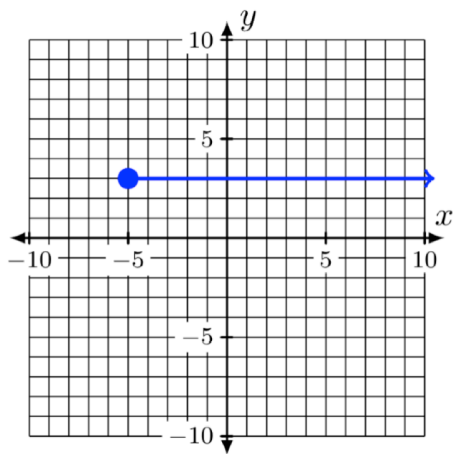7. $y = \dfrac{3x - 2}{5}$

8. $y = \sqrt{2 - x}$

The function f(x) is shown on the graph. Graph f⁻¹(x) on the same set of axes.

9.

10. Is the graph of f⁻¹(x) also a function? Justify your answer.

11.

12.