1. Find the inverse for each relation and decide whether the relation is a one-to-one function.

1. $y=3x+2$ 2. $y=-5x-7$

1. 3. $y=\frac{2}{3}x-8$ 4. $y=x^{2}-4$

Is it a function?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Is it a function?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Is the inverse a function? \_\_\_\_\_\_\_\_\_\_\_ Is the inverse a function? \_\_\_\_\_\_\_\_\_\_\_

Is the relation one-to-one function? Is the relation one-to-one function?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. $y=(x-6)^{2}$ 6. $y=\sqrt{x+5} x\geq -5$

Relation a function?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Relation a function?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Inverse a function? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Inverse a function? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Relation one-to-one function? Relation one-to-one function?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7. $y=\sqrt{x}-7 x\geq 0$ 8. {(1,-3), (-2,3), (5,1),(6,4)}

Relation a function?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Relation a function?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Inverse a function? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Inverse a function? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Relation one-to-one function? Relation one-to-one function?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

9. {(1,8), (-2,4), (5,8),(6,5)}
Relation a function? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Inverse a function? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Relation one-to-one function? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Graph the inverse for each relation and decide if the relation is a one-to-one function.

1. 2.

Relation a function?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Relation a function?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Inverse a function? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Inverse a function? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
Relation one-to-one function? Relation one-to-one function?
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. 4.

Relation a function?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Relation a function?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Inverse a function? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Inverse a function? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Relation one-to-one function? Relation one-to-one function?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

