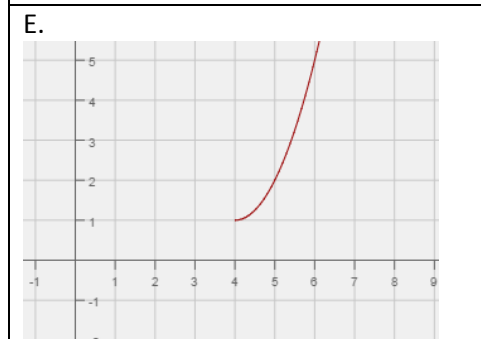
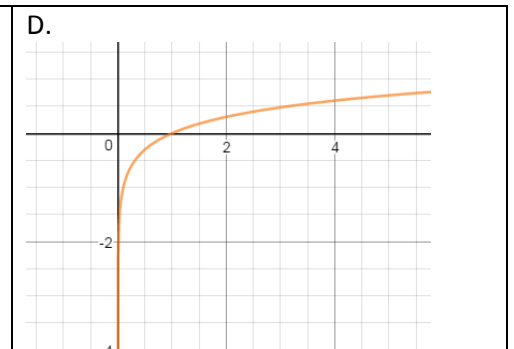
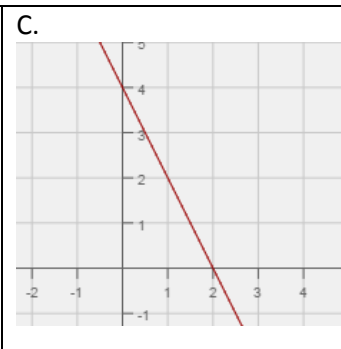
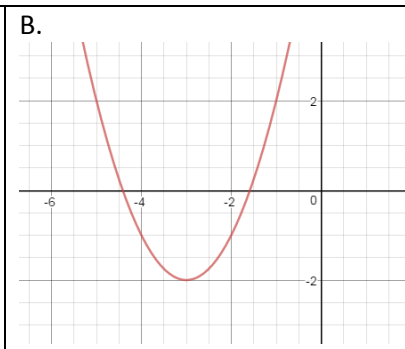


Match each relation to its inverse then describe the domain and range of both functions. Name: _____

Relation	Matching Inverse	Domain of Relation	Range of Relation	Domain of Inverse	Range of Inverse
A					
B					
C					
D					
E					
F					

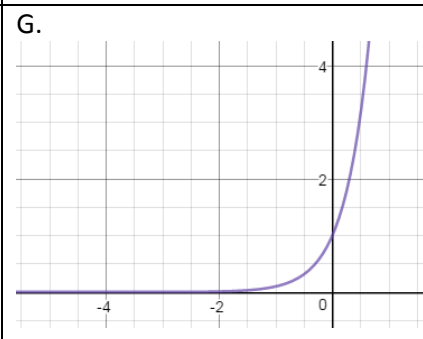
A.

x	Y
-2	13
3	15
5	17
8	21
12	32



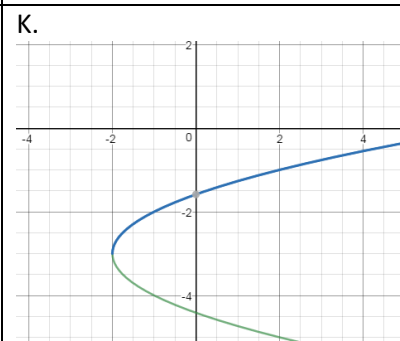
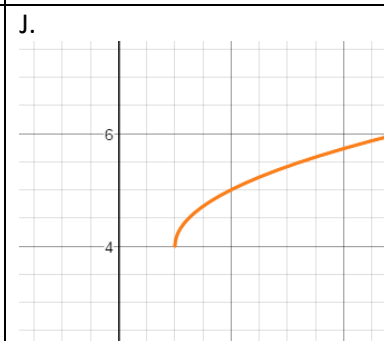
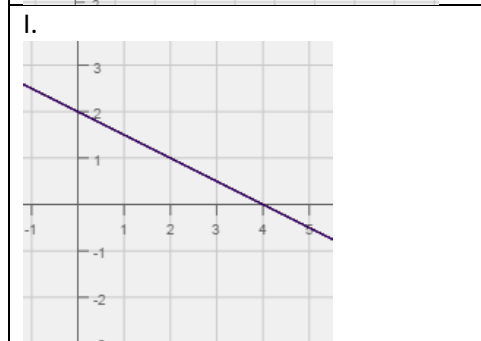
F.

x	Y
-13	2
-15	-3
-17	-5
-21	-8
-32	-12



H.

x	Y
2	-13
-3	-15
-5	-17
-8	-21
-12	-32



L.

x	Y
13	-2
15	3
17	5
21	8
32	12

Solve for x, in the following problems. Then complete the statement by identifying the operation you used to “undo” the equation.

Equation	Undo Statement
1. $24 = 3x$	To undo the multiplication by 3, I would...
2. $\frac{x}{5} = -2$	To undo the division by 5, I would...
3. $x + 17 = 20$	To undo the addition of 17, I would....
4. $\sqrt{x} = 6$	To undo the square root of x, I would....
5. $\sqrt[3]{(x+1)} = 2$	To undo the cube root of (x+1), I would.... Afterwards, I would undo _____ by _____ .
6. $x^4 = 81$	To undo the fourth power of x, I would....
7. $(x-9)^2 = 49$	To undo the squaring of (x-9), I would... Afterwards, I would undo _____ by _____ .