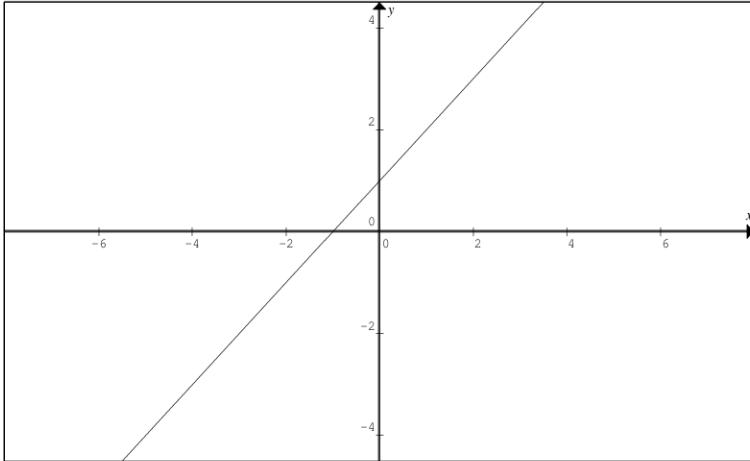


## Intermediate Algebra Skill

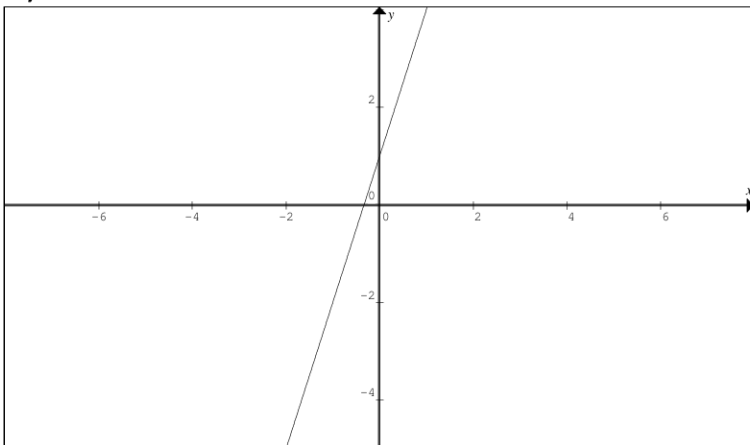
### Finding the Domain and the Range of a Function and its Inverse Based on their Graphs

Find the domain and range of the function and its inverse from their graphs:

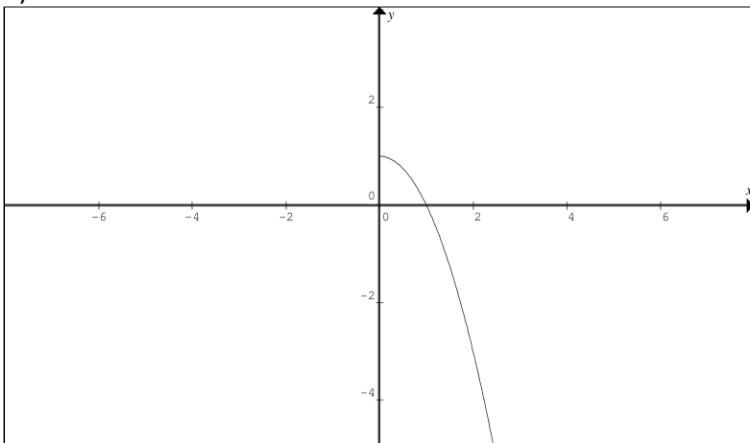
1)



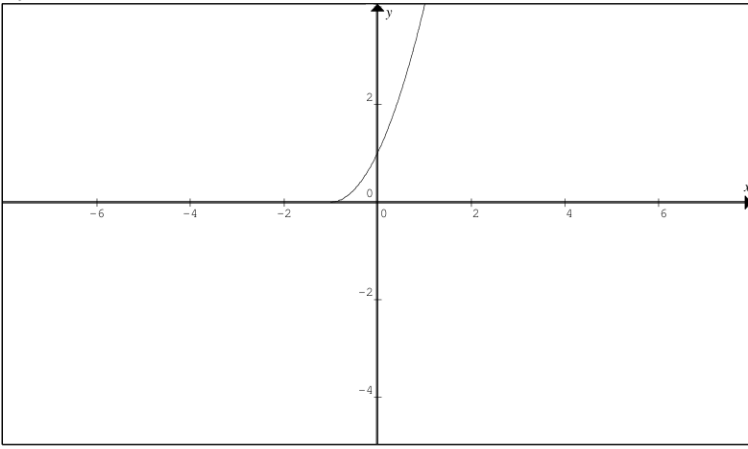
2)



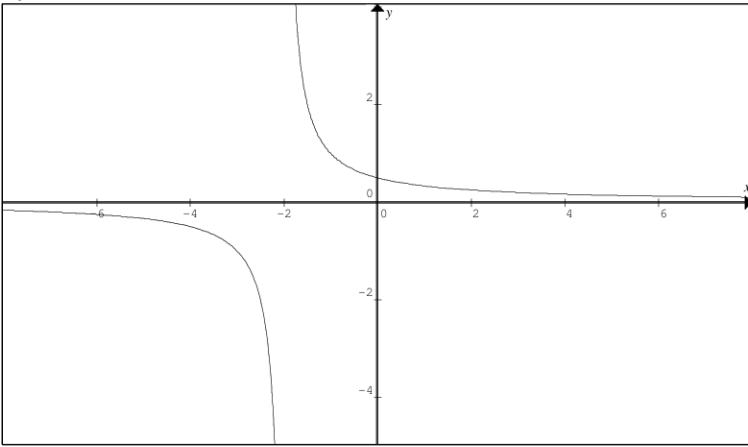
3)



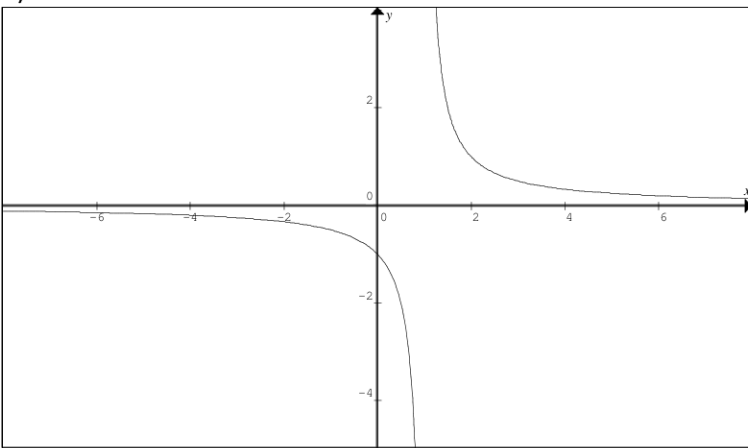
4)



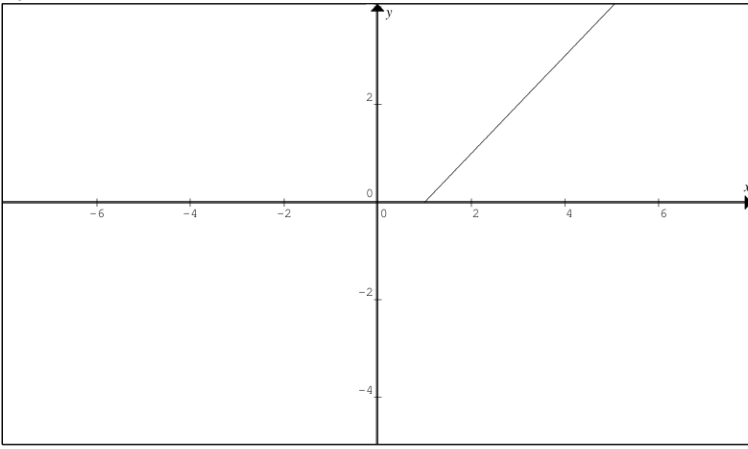
5)



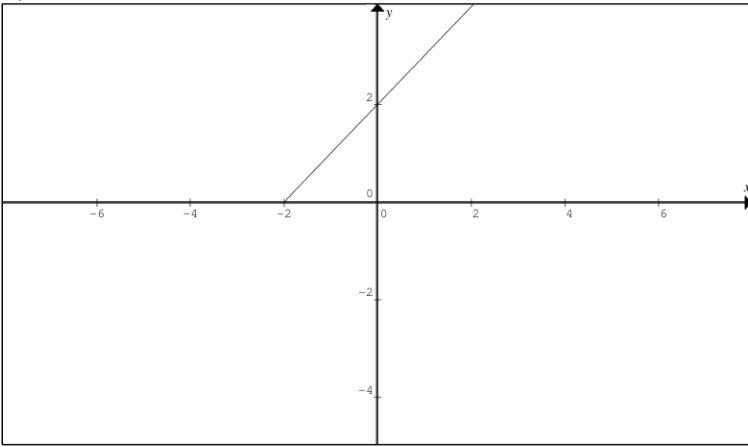
6)



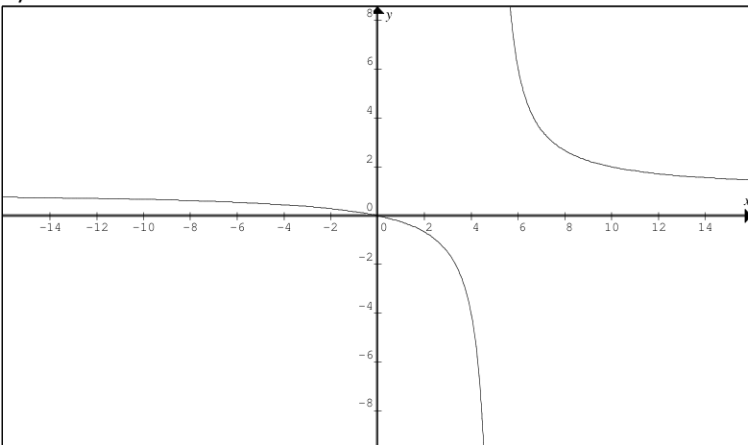
7)



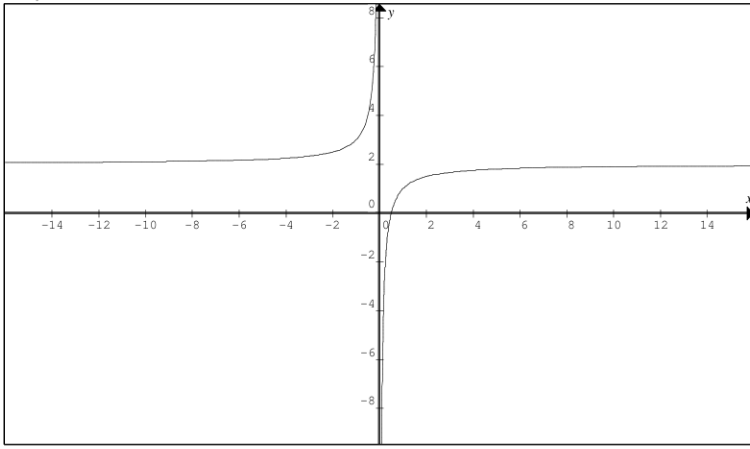
8)



9)



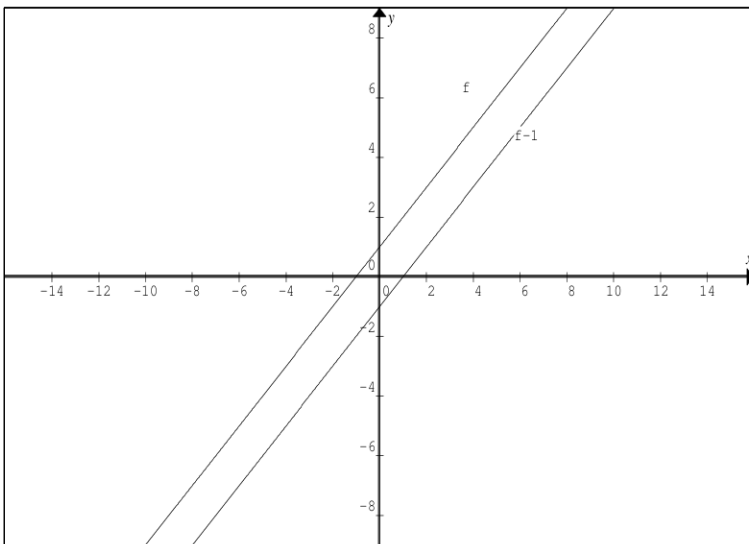
10)



## Answers to Finding the Domain and the Range of a Function and its Inverse Based on their Graphs

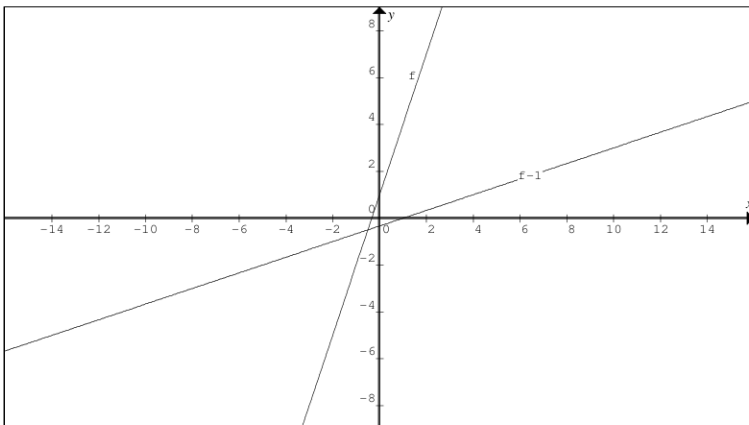
$$1) D_f = R_{f^{-1}} = (-\infty, \infty)$$

$$R_f = D_{f^{-1}} = (-\infty, \infty)$$



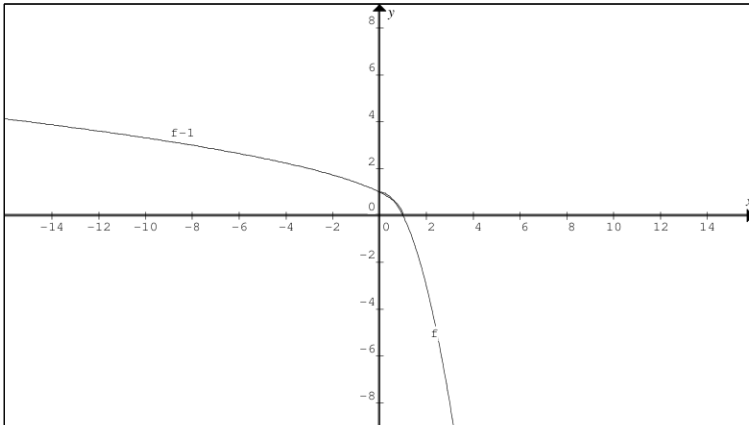
$$2) D_f = R_{f^{-1}} = (-\infty, \infty)$$

$$R_f = D_{f^{-1}} = (-\infty, \infty)$$



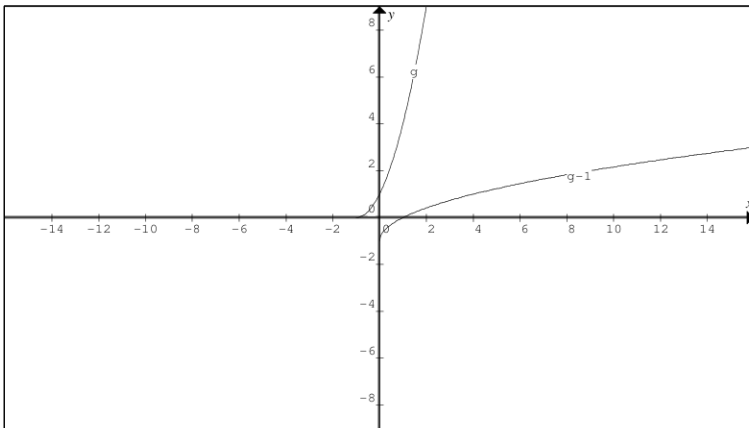
$$3) D_f = R_{f^{-1}} = [0, \infty)$$

$$R_f = D_{f^{-1}} = (-\infty, 1]$$



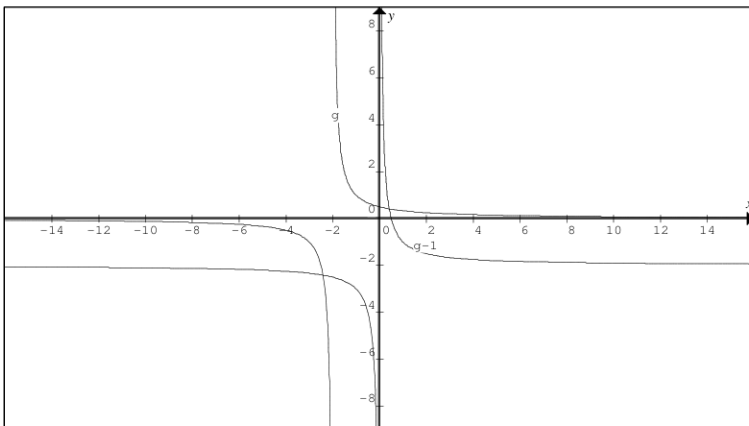
$$4) D_g = R_{g^{-1}} = [-1, \infty)$$

$$R_g = D_{g^{-1}} = [0, \infty)$$



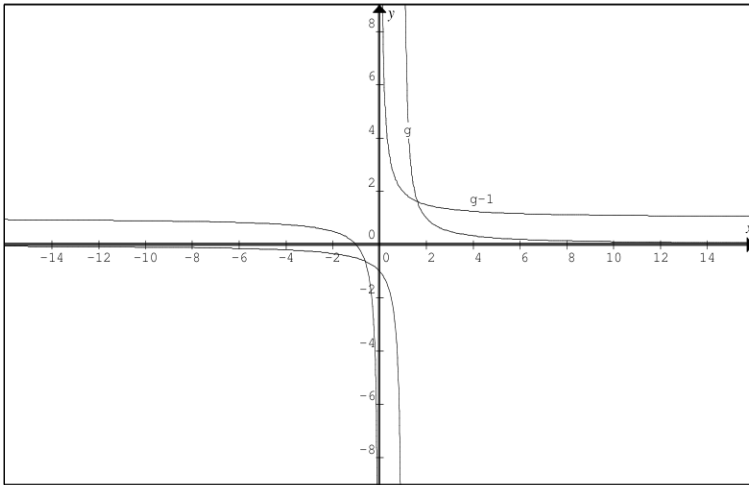
$$5) D_g = R_{g^{-1}} = (-\infty, -2) \cup (-2, \infty)$$

$$R_g = D_{g^{-1}} = (-\infty, 0) \cup (0, \infty)$$



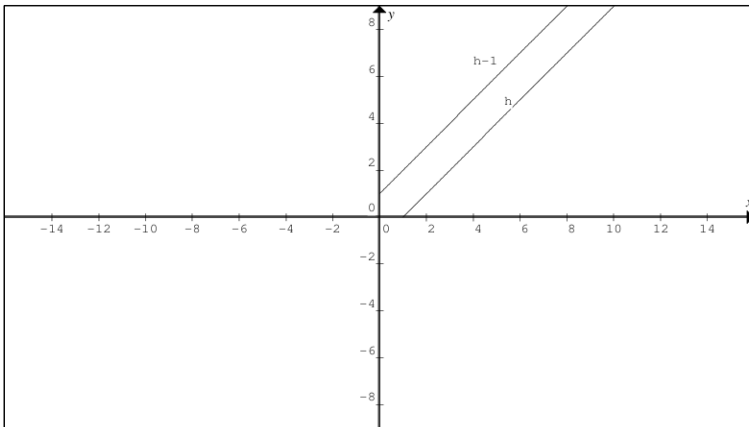
$$6) D_g = R_{g^{-1}} = (-\infty, 1) \cup (1, \infty)$$

$$R_g = D_{g^{-1}} = (-\infty, 0) \cup (0, \infty)$$



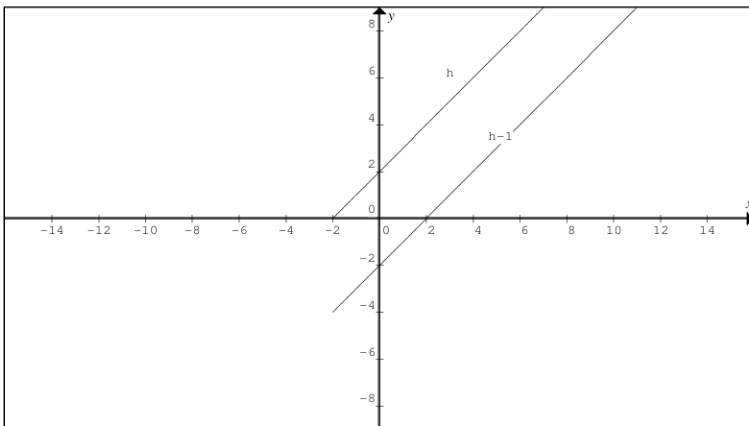
$$7) D_h = R_{h^{-1}} = [1, \infty)$$

$$R_h = D_{h^{-1}} = [0, \infty)$$



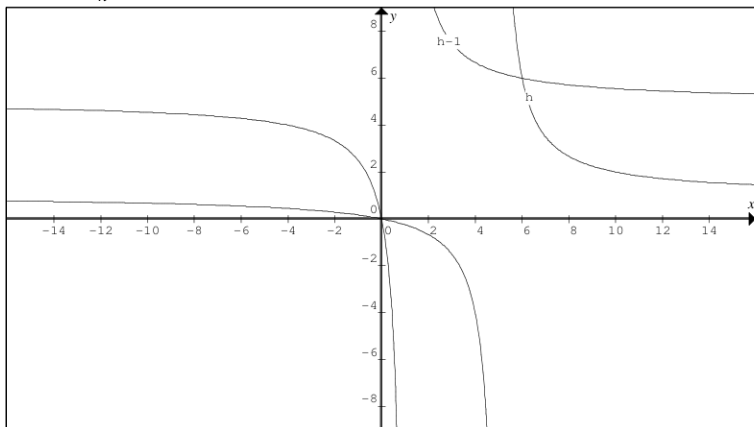
$$8) D_h = R_{h^{-1}} = [-2, \infty)$$

$$R_h = D_{h^{-1}} = [0, \infty)$$



$$9) D_h = R_{h^{-1}} = (-\infty, 5) \cup (5, \infty)$$

$$R_h = D_{h^{-1}} = (-\infty, 1) \cup (1, \infty)$$



$$10) D_f = R_{f^{-1}} = (-\infty, 0) \cup (0, \infty)$$

$$R_f = D_{f^{-1}} = (-\infty, 2) \cup (2, \infty)$$

