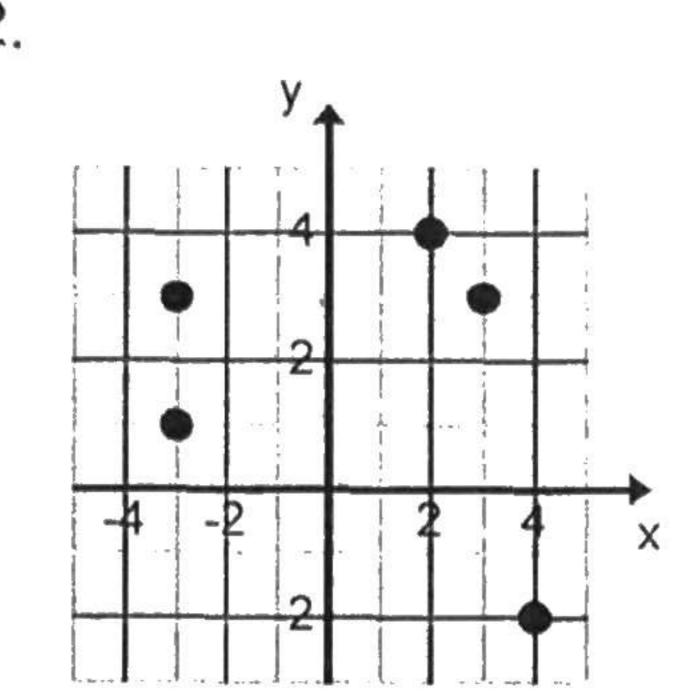
Give the Domain and Range for each relation in set and interval notation.

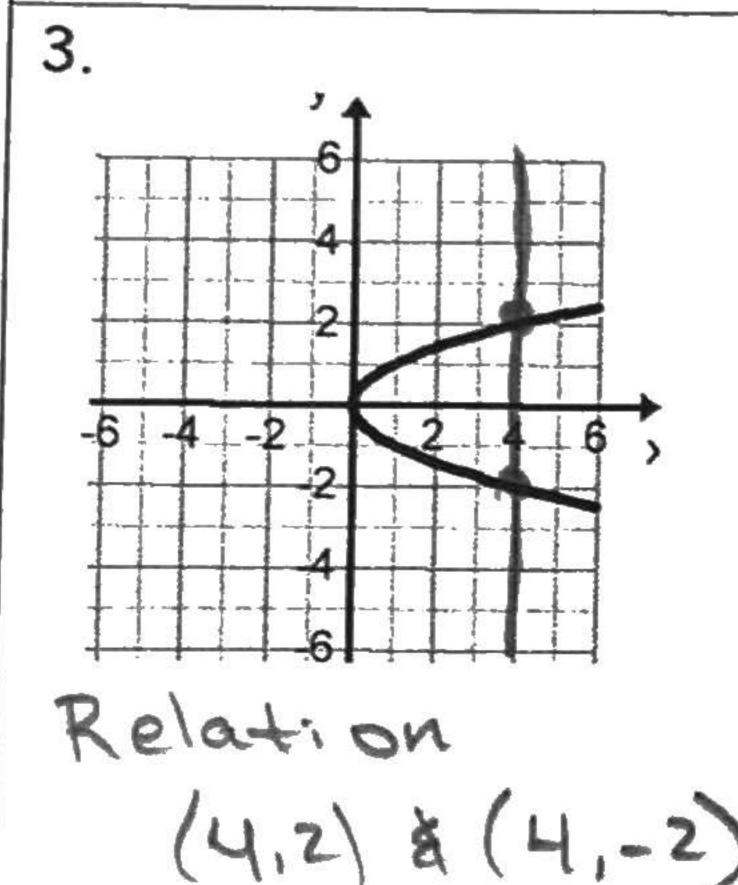
Basket Ball Points Scored					
Player	Irene	Anna	Lea	Kate	
Points	22	12	16	12	

Range: \$12,16,223



Range: \( \int -2, 1, 3, 43

3-4 Use the vertical line test to determine whether each relation is a function. If not a function, identify two points a vertical line could pass through.



# # X Function 5. Money: In 1999 the US Mint began releasing quarters to commemorate each of the 50 states. The release schedule specified that each year for a total of 10 years, new quarters commemorating 5 different states would be released. Explain whether each relation is a function.

(Hint: Make a list of the data.)

A) from each year to the number of states with new quarters released in that year.

B) from each state to the year its quarter is released Function

STATE

C) from each year to the states with new quarters released in that year year state to the states with new quarters released in that year year state to not function one x matched and an are than

D) from each year to the total number of states with quarters released by the end of the year

one x to one 4

E) from the number of new quarters released each year to the year

# New Per year

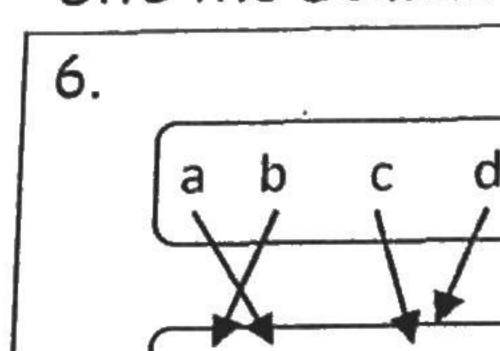
Searth

NOT A Function

2

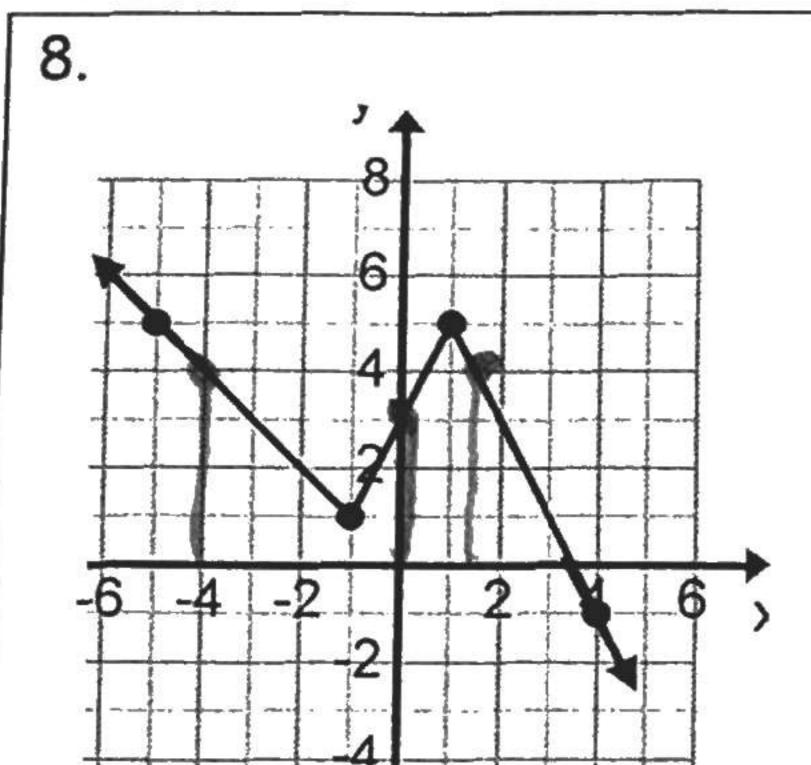
4 year one 4

Give the Domain and Range of each relation. Then explain whether the relation is a function.

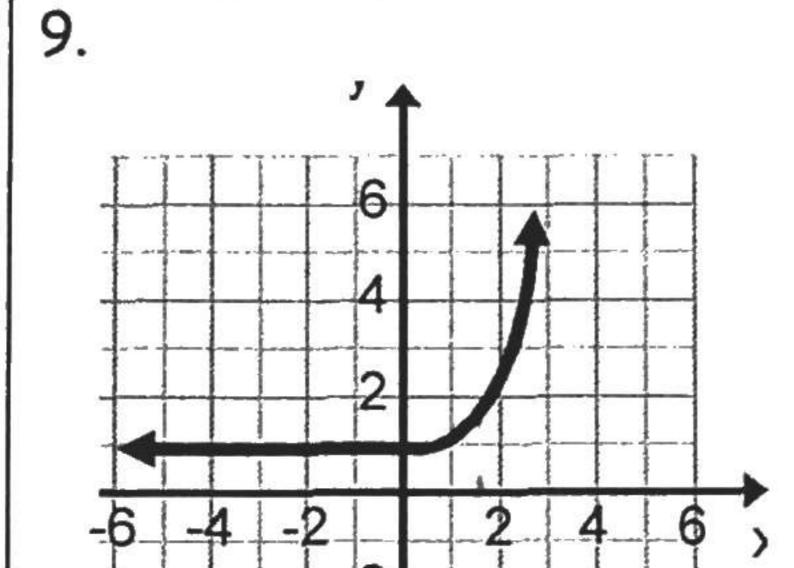


7. {(7, 1), (7, 2	2), (7, 3), (7, 4), (7, 6)}
D:	R: 21,2,3,4,63
Function:	to x's repeat or
one x go.	es to more than one y

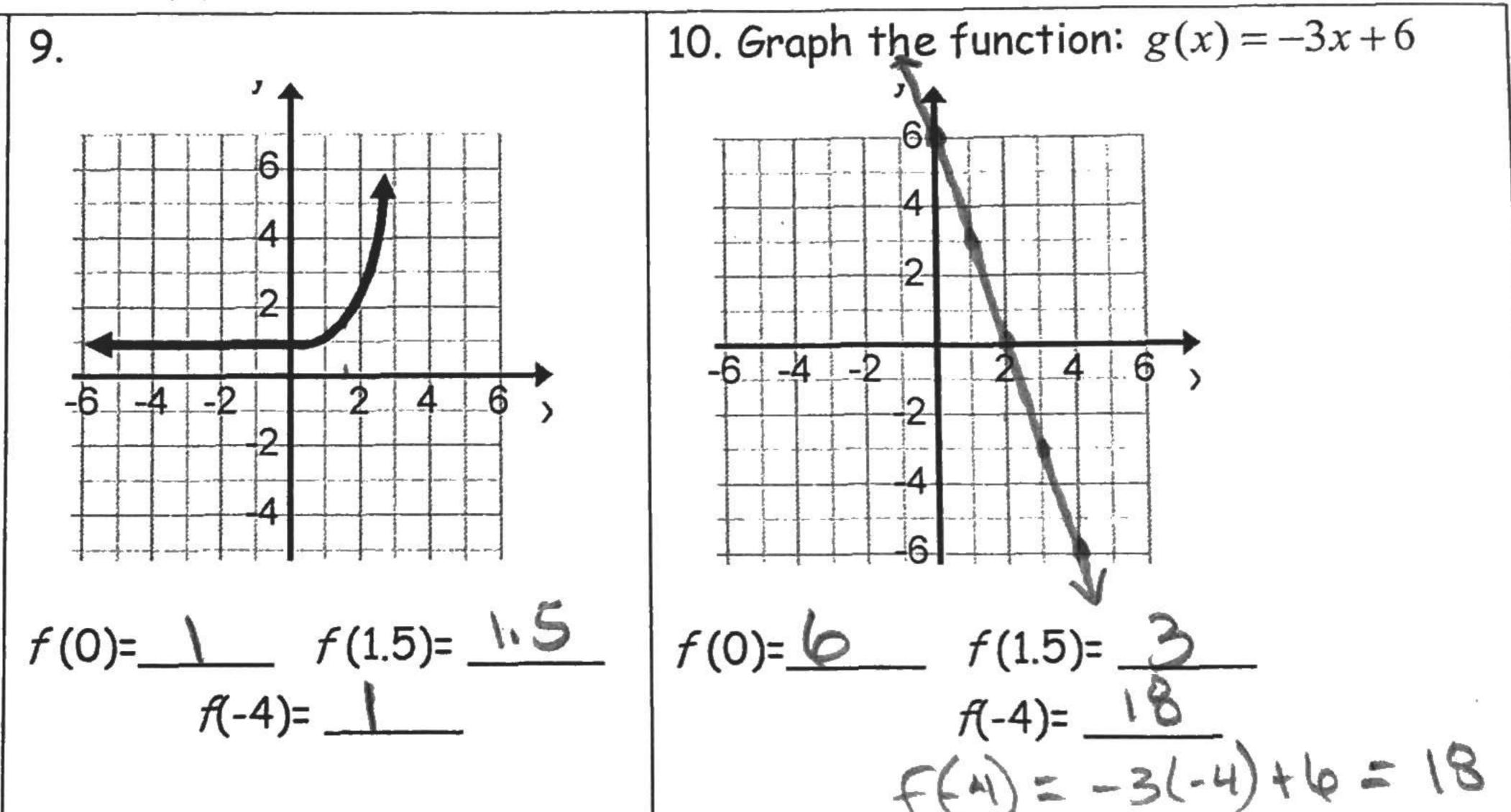
8,9, & 10 For each function evaluate f(0), f(1.5), and f(-4).



$$f(0)=3 f(1.5)=4$$
  
 $f(-4)=4$ 



$$f(0)=_{1} f(1.5)=_{1.5}$$
  
 $f(-4)=_{1}$ 



11. For the function, f(x) = 7x - 4, evaluate

$$f(0), f(\frac{3}{2}), \text{ and } f(-1)$$
  
 $f(6) = 7(6) - 4$ 

12 . Evaluate the function, f(x) = x(1-2x) for the replacement set  $\left\{-8, \frac{2}{3}, 1, 9, 4\right\}$ . With ()  $\left\{-8, \frac{2}{3}, 1, 9, 4\right\}$ . With ()  $\left\{-8, \frac{2}{3}, 1, 9, 4\right\}$ . With () (1)=(1)(1-2(1))

$$f(q) = (q)(1-2(q))$$
  
 $f(q) = -153$   
 $f(4) = (4)(1-2(4))$   
 $f(4) = -28$