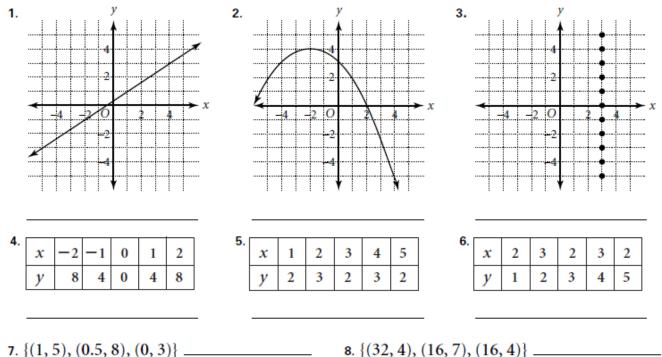
Unit 1 Linear Functions Day 1 to 6 Review of Domain, Range & Functions Show work on a separate sheet of paper. 
 Name\_\_\_\_\_

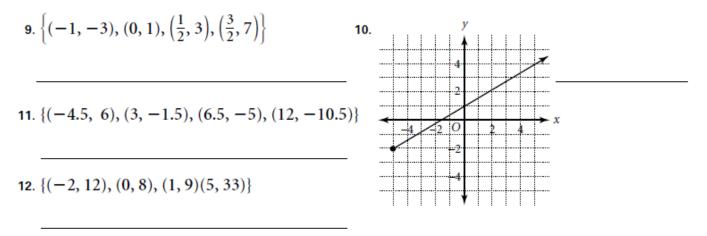
 Date\_\_\_\_\_Hour\_\_\_

 NO WORK = NO CREDIT

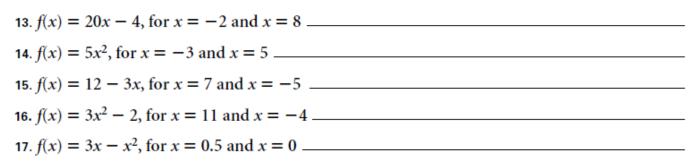
In Exercises 1 – 8, a) Find the Domain b) Find the Range and c) Is the relation a function?



## State the domain and range of each function.



## Evaluate each function for the given values of x.



Use the domain {-2, 0, 3} to find the range of each function.

18. f(x) = 2x - 1 19.  $G(x) = 2x^2 + 5$ 

## Find the domain and range of each of the following real-world functions.

20. A plumber charges \$96 an hour for making house calls to do plumbing work. What are the domain and range of this function?

P(h) = 96h (h = hours worked; P = plumber's bill)	

21. Laura is selling cookies to raise funds for a school club. Each cookie costs \$0.50. What are the domain and range of this function?

M(c) = 0.5c (c = number of cookies sold; M = money made)

Domain:	Range:
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22. Rental cars at ABC Rental Car Company cost \$100 to rent, plus \$1 per mile. What are the domain and range of this function?

M(d) = d + 100 (d = distance traveled; M = money spent)

Domain:\_\_\_\_\_ Range:\_\_\_\_\_

23. Jimmy has to fill up his car with gasoline to drive to and from work next week. If gas costs \$3.29 per gallon, and his car holds a maximum of 18 gallons, write a function to represent this scenario. What is the domain and range of the function?

Independent Variable: \_\_\_\_\_ Dependent Variable: \_\_\_\_\_

Define a variable for the unknown. Use the variable to write a function rule.

Function: \_\_\_\_\_

Domain:\_\_\_\_\_ Range:\_\_\_\_\_