

Chapter 3 Practice Test

Want more practice Questions?

who wouldn't right??

Ch. 3 Review from WORKBOOK:

Pg. 148, #1-8, 10 a,b

Ch. 3 UNIT TEST tomorrow! Be Prepared!!

1) Determine the domain of the relation:

$(-1, 4), (-2, 4), (-3, 4), (0, 5)$

hint: { }

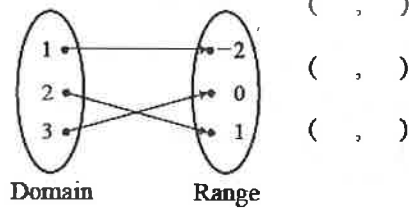
* no repeats

* in numerical order (least to greatest)

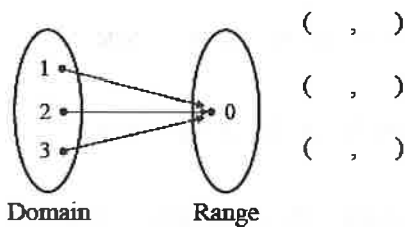
2) Determine the range of the relation:

$(-1, 4), (-2, 4), (-3, 4), (0, 5)$

3) Write the mapping diagram in ordered pair notation.



4) Write the mapping diagram in ordered pair notation.



5) Draw a mapping diagram for the ordered pair.

$(1, 2), (1, -2), (1, 0), (2, 1), (-2, 1)$

6) Determine the domain and range

domain: _____

range: _____

7) Determine the domain and range

domain: _____

range: _____

8) Determine the domain and range

domain: _____

range: _____

9) Determine the domain and range

domain: _____

range: _____

10) Are the following relations also functions?

a) $(4, 2), (3, 2), (2, 2), (1, 2)$ Y/N

b) $(2, 4), (4, 2), (1, 3), (2, 1)$ Y/N

c) $(\text{Mr. F, math}), (\text{Ms. J, math})$ Y/N

11) Are the following functions also one-to-one functions?

a) $(3, 2), (4, 3), (5, 4), (6, 5)$ Y/N

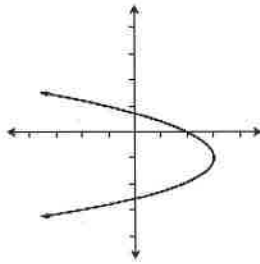
b) $(2, 4), (4, 2), (1, 3), (3, 4)$ Y/N

c) $(\text{Mr. F, math}), (\text{Mr. Baker, PE})$ Y/N

12)

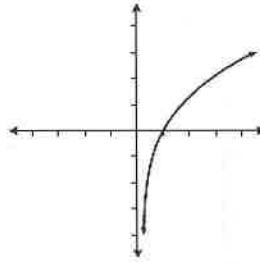
Apply the vertical line test to determine if the relation is a function.

a)



Y/N

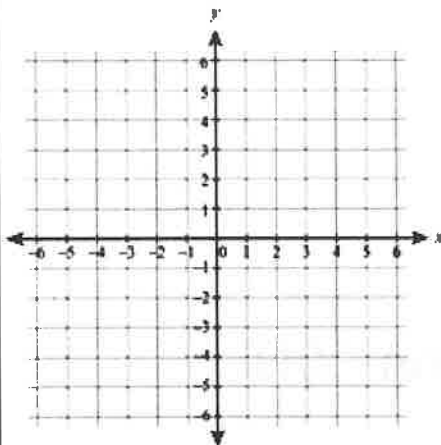
b)



Y/N

13) Graph the linear equation, and determine if it's a function

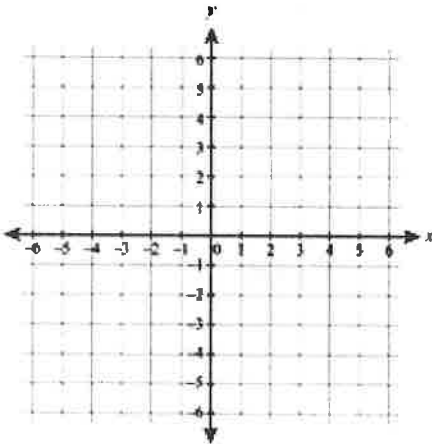
$$2x + 3y = -12$$



Function: Y/N

14) Graph the linear equation, and determine if it's a function

$$4x - 5y = 20$$

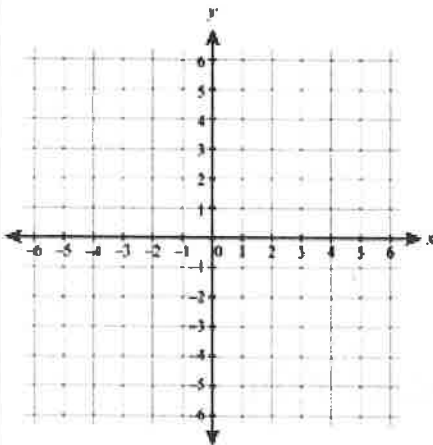


Function: Y/N

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15) Graph the linear equation, and determine if it's a function

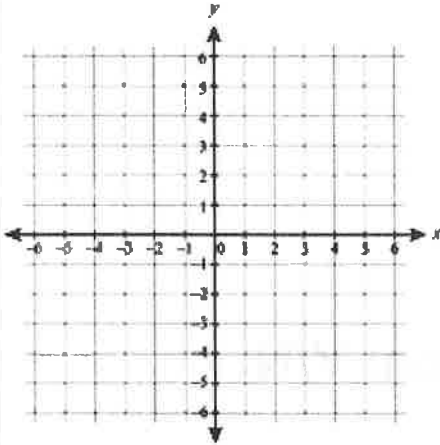
$$y = -3x + 2$$



Function: Y/N

16) Graph the linear equation, and determine if it's a function

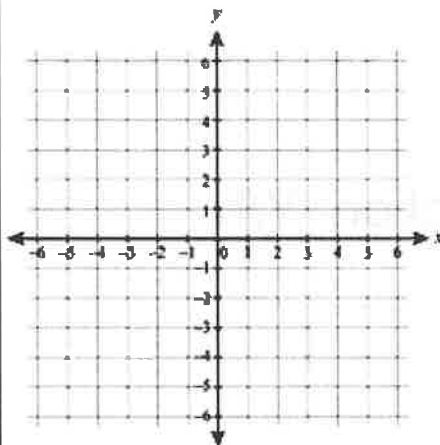
$$y = -\frac{2}{3}x - 1$$



Function: Y/N

17) Graph the linear equation, and determine if it's a function

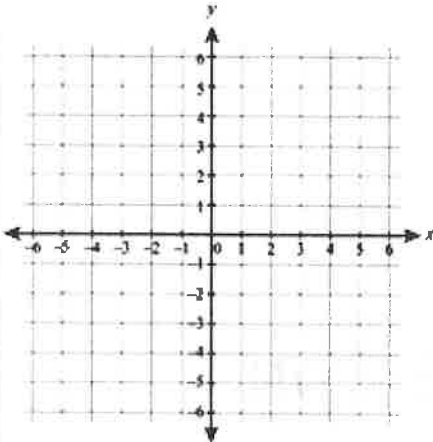
$$y = -5$$



Function: Y/N

18) Graph the linear equation, and determine if it's a function

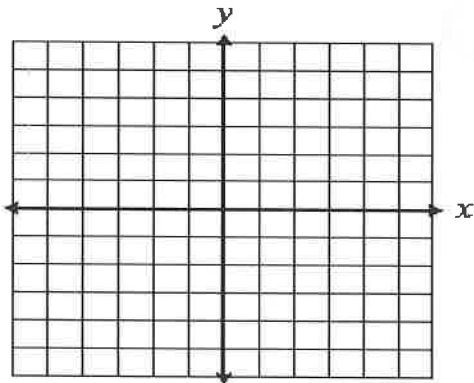
$$x = 4$$



Function: Y/N

19)

Graph the non-linear equation, and determine if the relation is also a function by the vertical line test.



$$y = \frac{1}{2}x^3$$

Function Y/N

x							
y							