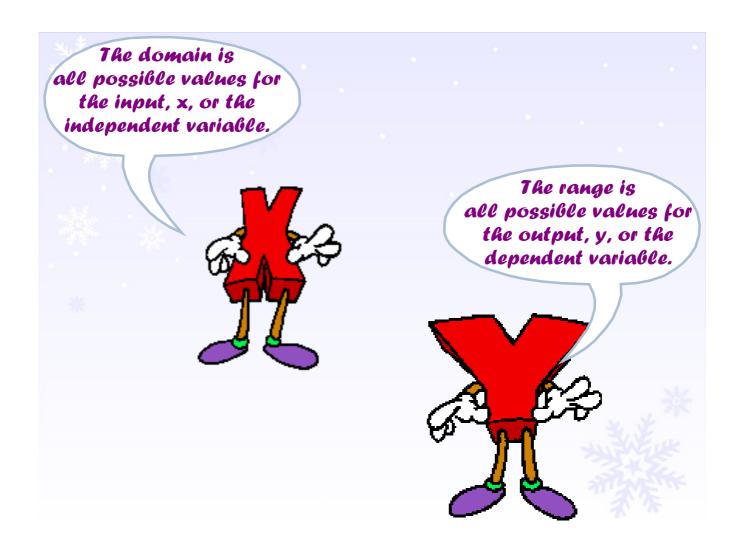


Homework Questions - p. 254 (1 - 12, 15, 16)

Section 5.2 Relations and Functions



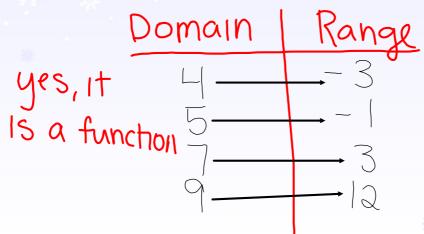


Adding on to that . . .

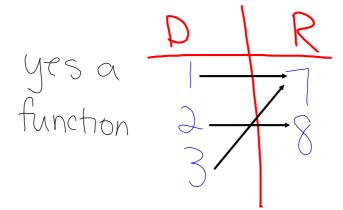
... a relation is a set of ordered pairs.

Determine if a relation is a function.

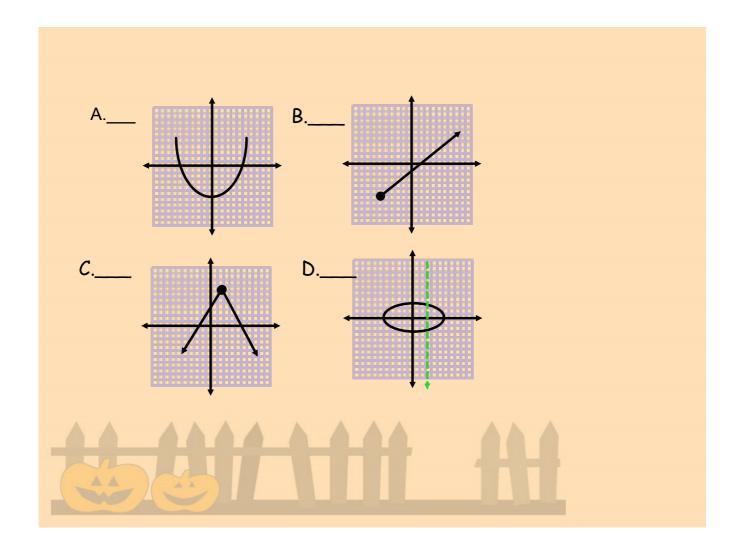
Using a mapping diagram to determine if a relation is a function . . .

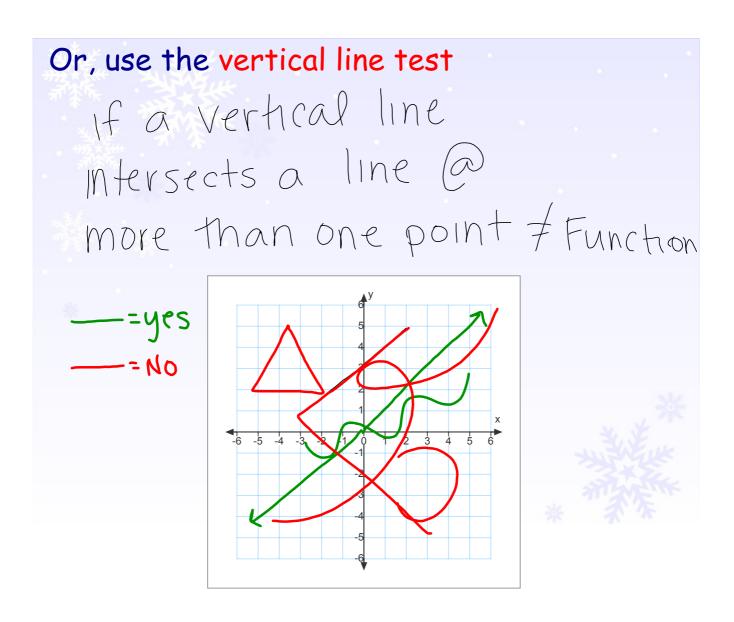


$$2$$
 $\{(3,7),(2,8),(1,7)\}$



$$3$$
 $\{(-7,3),(4,2),(-7,1)\}$





Evaluating Functions...

$$f(x) = 3x - 4$$

$$f(a) = 3(a) - 4$$

$$f(a) = 2$$

$$f(a) = 2$$

$$f(a) = -1 \times |-3$$

$$f(-4) = -|(-4)| - 3$$

$$f(-4) = -1$$

$$f(3) = -|(3)| - 3$$

$$f(3) = -6$$

$$f(3) = -6$$

$$f(x) = -x^2 - 1$$

$$f(-2) = -(-2)^2 - 1$$

-4-1 f(-2)=-5

Homework (to be handed in):

p. 259 (1 - 35 odd, 41)

