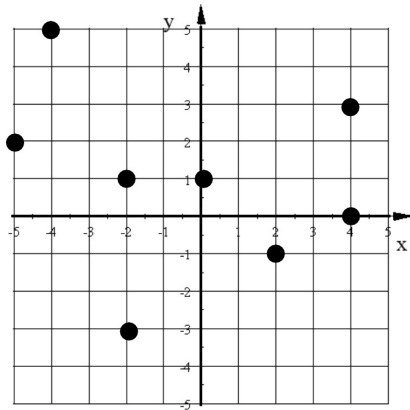
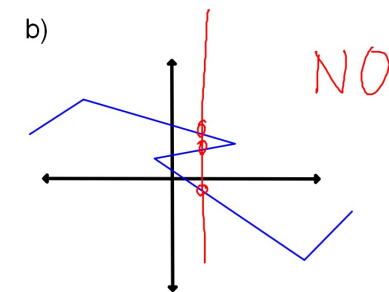
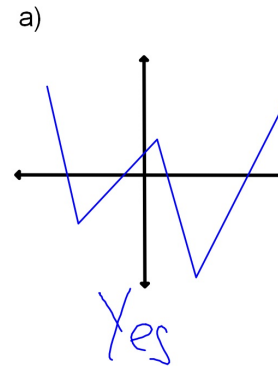


1. State the Domain and Range of this relation:



Domain x
 $-5, -4, -2, 0, 2, 4$
 Range y
 $-3, -1, 0, 1, 2, 3, 5$

2. Does each relation represent a function?



3. Given $f(x) = 3x - 7$

a) Find $f(2)$

$$y = 3x - 7$$

$$f(x) = 3(2) - 7$$

$$6 - 7$$

$$f(2) = -1$$

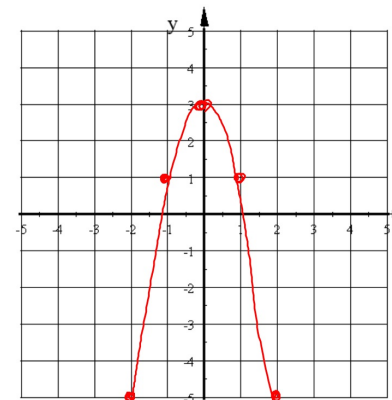
b) Find $f(-4)$

$$f(-4) = 3(-4) - 7$$

$$-12 - 7$$

$$= -19$$

4. Graph this function: $f(x) = -2x^2 + 3$



x	y
-2	-5
-1	1
0	3
1	1
2	-5

$$-2 \times (-2)^2$$

$$-8 + 3 = -5$$

$$-2 + 3$$