3. Is each relation a function?

a) $(-6,4),(-2,6),(1,4),(5,-1),(2,5)$

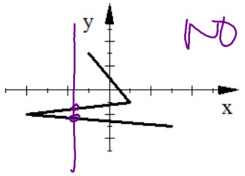
Yes

b) The table below

X	Y
8	6
−3	−9
2	−7
−3	4

NO

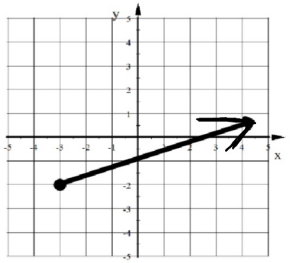
c) The graph below



NO

4. State the domain and range of each graph.

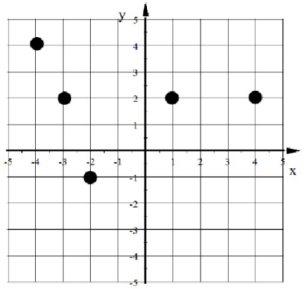
a)



Domain: $x \geq -3$

Range: $y \geq -2$

b)



Domain: $-4, -3, -2, 1, 4$

Range: $-1, 2, 4$

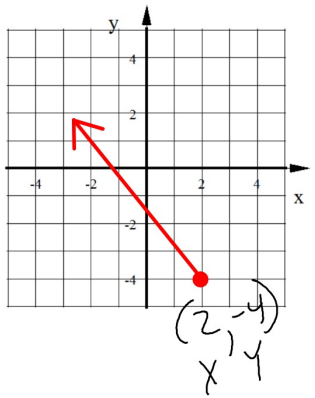
State the Domain and Range of this graph.

Domain

$x \leq 2$

Range

$y \geq -4$



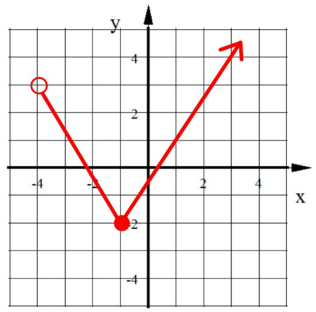
State the Domain and Range of this graph.

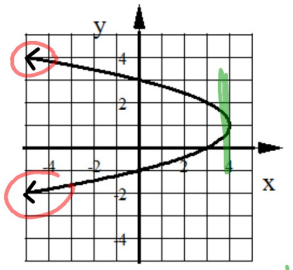
Domain

$x > -4$

Range

$y \geq -2$





Domain: $x \leq 4$

Range: ALL Real #'s

5. Use these two functions: $h(m) = 3m^2 - 10$ $w(c) = 4c - 1$

a) Find $h(-4)$

$3(-4)^2 - 10$

$3(16) - 10$

$48 - 10$

$h(-4) = 38$

b) Find c if $w(c) = 25$

$25 = 4c - 1$

$+1 \quad +1$

$\frac{26}{4} = \frac{4c}{4}$

$6.5 = c$