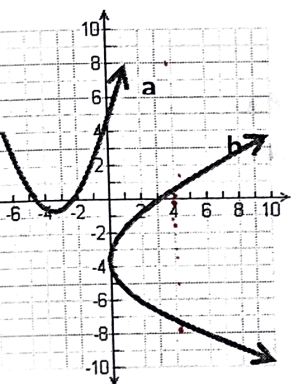


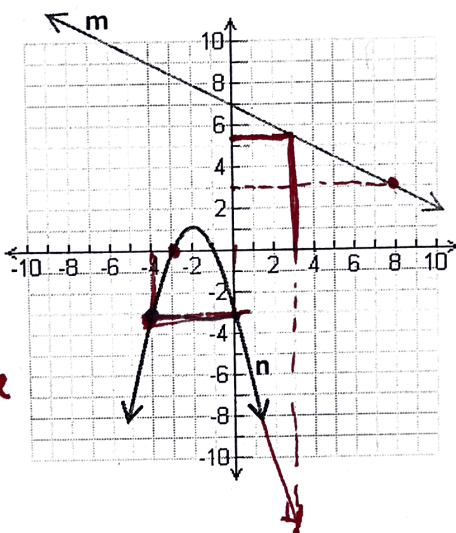
Decide whether each graph is the graph of a function. Explain your reasoning.



yes
a- every x value has only one y value

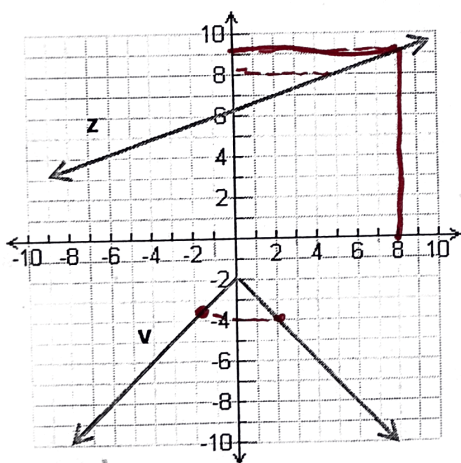
b- NO multiple x values have more than one y value

Use the graphs of m and n to answer the following questions.



- "What do you get when you plug 4 into the m function?"
- Find $m(4)$. **5** (input)
 - Find $n(-3)$. **0**
 - If $m(x) = 3$, find x. **8**
 - If $n(x) = -3$, find x. **0 + (-4)**
 - If $m(x) = 5.5$, find x. **3**
 - Estimate $n(3)$. **-13**

Use the graphs of v and z to answer the following questions

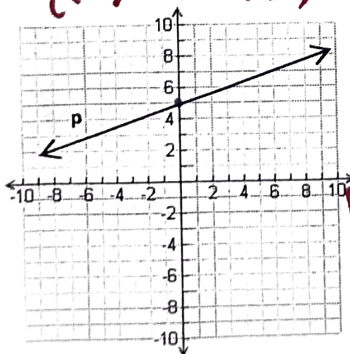


- Find $z(2)$. **7**
- Find $v(0)$. **-2**
- If $z(x) = 8$, find x. **5**
- If $v(x) = -4$, find x. **-2 + 2**
- If $z(x) = 9$, find x. **8**

Which has the greater value? $p(0)$ or $q(0)$?

$$q(x) = x^2 - 3x + 4$$

$$q(0) = 0^2 - 3(0) + 4$$



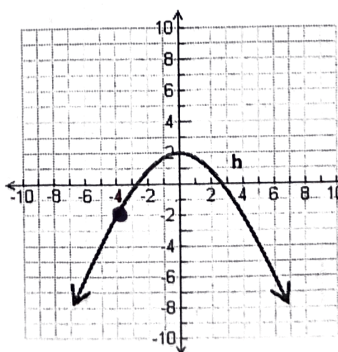
$$q(0) = 4$$

$$p(0) = 5$$

$p(0)$ is greater

Which has the greater value? $h(-4)$ or $j(-4)$?

$$j(x) = -5 - 3x \quad j(-4) = -5 - 3(-4)$$



$$j(-4) = -5 + 12$$

$$j(-4) = 7$$

$$h(-4) = -2$$

$j(-4)$ is greater