

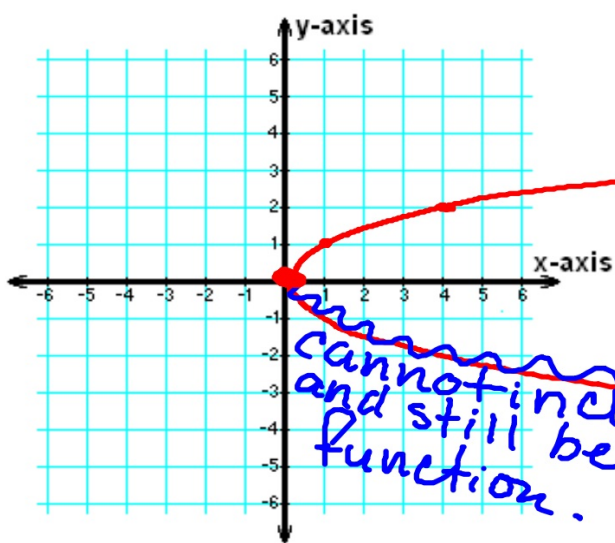
# FEBRUARY 2, 2012

Aug 2

|        |                |       |        |                  |
|--------|----------------|-------|--------|------------------|
| M      | T 371          | W 378 | TH 385 | F correct<br>all |
| M Rev. | T Test<br>sub. | W     | TH     | F                |



## 2/2 - Graphs of Square Root and Cube Root Functions



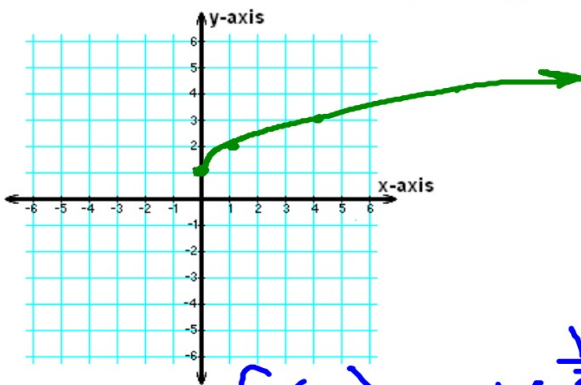
$$f(x) = \sqrt{x}$$

| x            | y                                    |
|--------------|--------------------------------------|
| 0            | $\sqrt{0} = 0$                       |
| 1            | $\sqrt{1} = 1$                       |
| 2            | $\sqrt{2} = ?$                       |
| 4            | $\sqrt{4} = 2$                       |
| <del>9</del> | <del><math>\sqrt{9} = 3</math></del> |

cannot graph

$$f(x) = \sqrt{x} + 1$$

up  
one



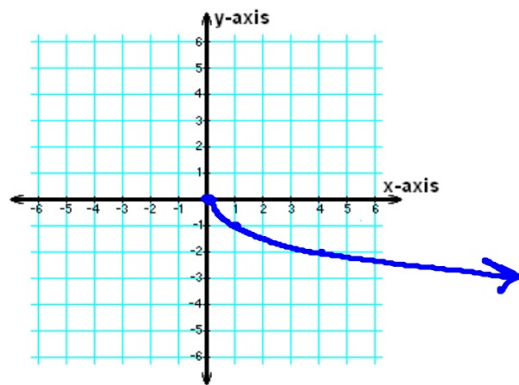
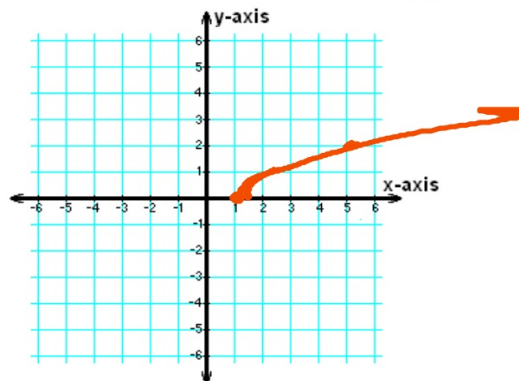
$$f(x) = -x^{\frac{1}{2}}$$

$$f(x) = -\sqrt{x}$$

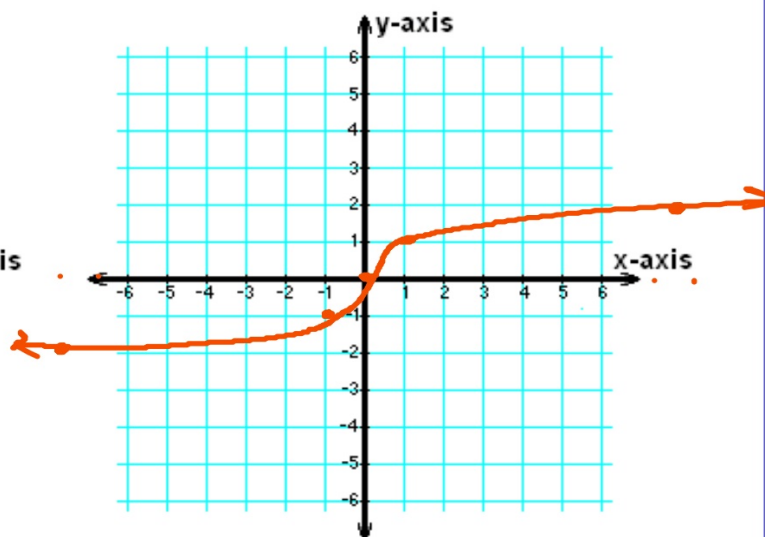
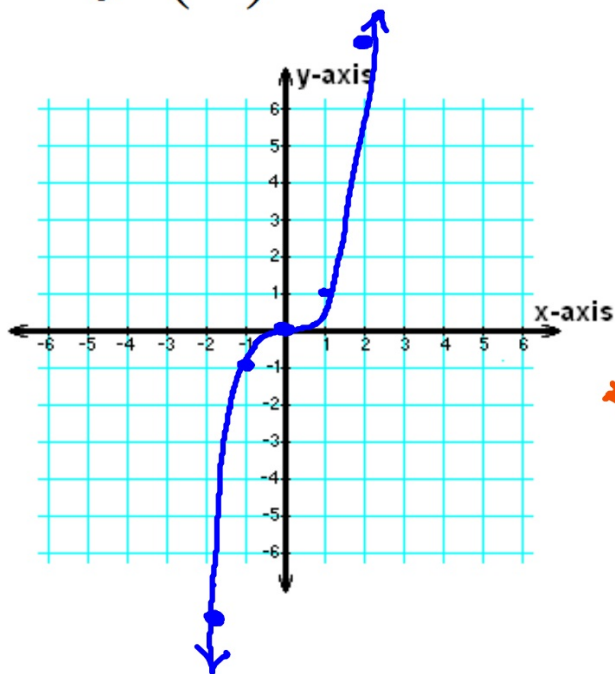
flip

$$f(x) = \sqrt{x-1}$$

right  
one



$$f(x) = x^3 \quad \text{inverse} \quad f(x) = \sqrt[3]{x}$$

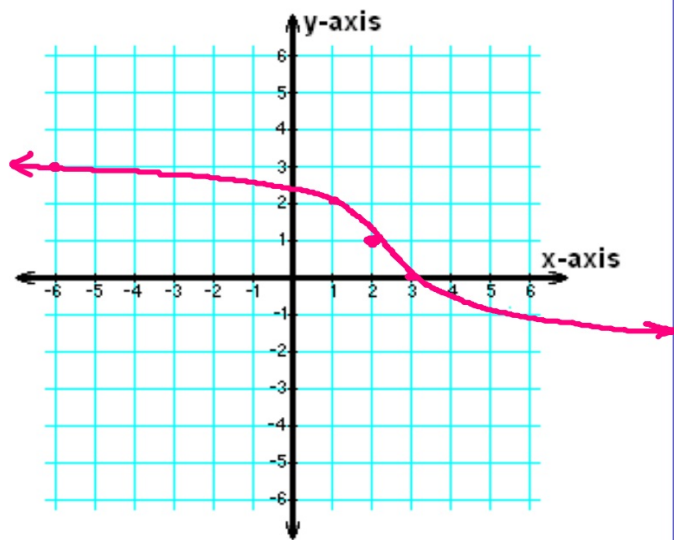
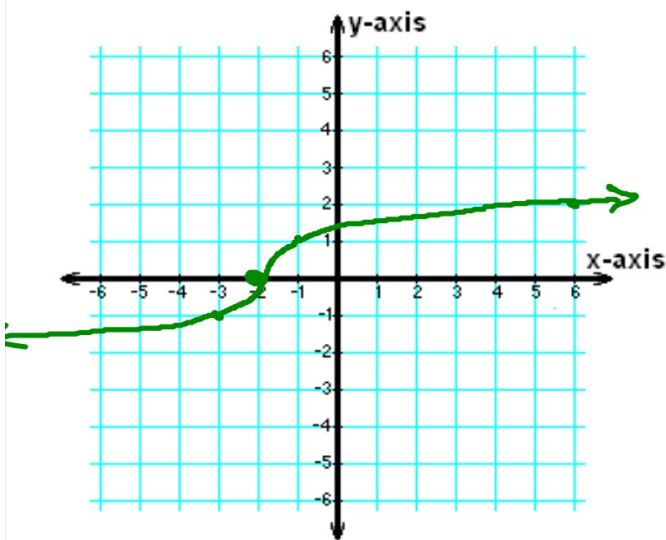


$$f(x) = \sqrt[3]{x+2}$$

left  
2

$$f(x) = -\sqrt[3]{x-2} + 1$$

flip      right up



# HOMEWORK

PAGE 385 #18-32 EVEN  
graph only

DUE