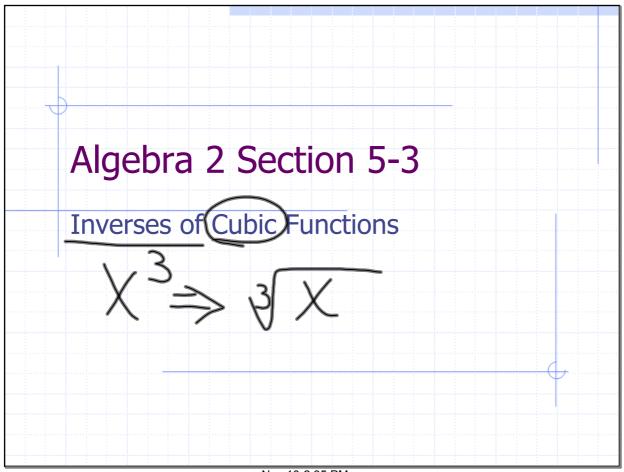
## **OPENER:**

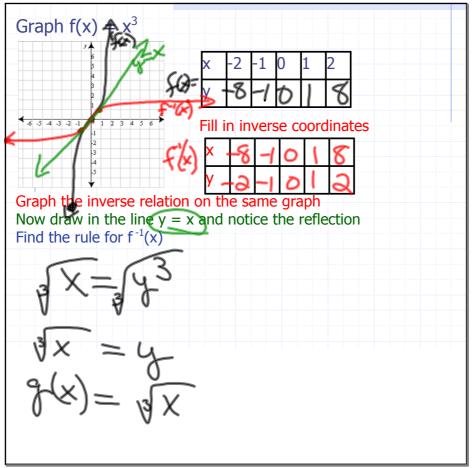
Have out the 5.2 w.s. to correct.

Login your clickers.

Answer the 5.2 checkpoint on the brown table.

Nov 24-9:51 AM

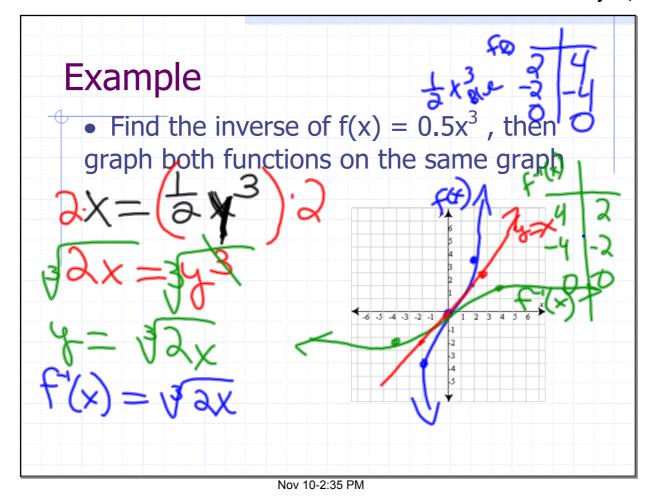




Nov 10-2:35 PM

## **Cube Root Functions**

- As you discovered on the last problem, the inverse of a <u>cubic function</u> is a <u>cube root</u> function
- Cube root functions look like cubic functions
   turned sideways



The function w(L) = L³/3500 gives the approximate weight in pounds of a pike with length L inches.

Write and graph the inverse function I(w) to find the approximate length L in inches of a pike weighing w pounds.

\[ \times = \times \frac{3}{3500} \times \frac{3}

## Reflect

- How could you check to see if your inverse correct? Flog He answer from the inverse into the original problem.
  - What is the significance of the point (6,28) on your graph?
  - What are the reasonable domain and range of the inverse function?

D:XERX>D R:YER7>0

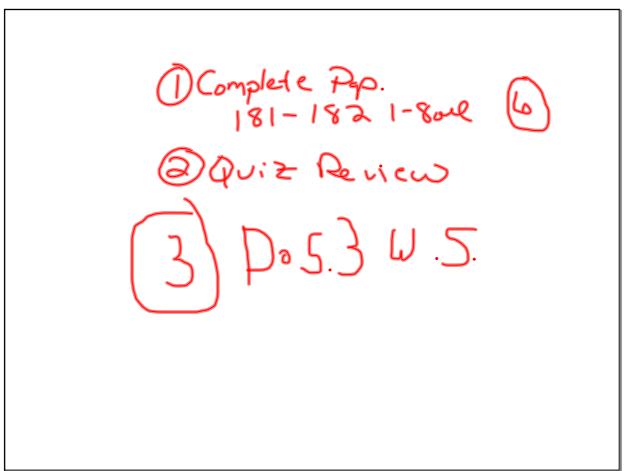
Nov 10-2:35 PM

## **GUIDED PRACTICE**

Find the inverse of the given function. Then verify or check that your result and the original function are inverses.

1. 
$$f(x) = -3x^3$$

2. 
$$f(x) = \frac{1}{4} x^3$$



Nov 10-2:36 PM