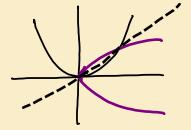
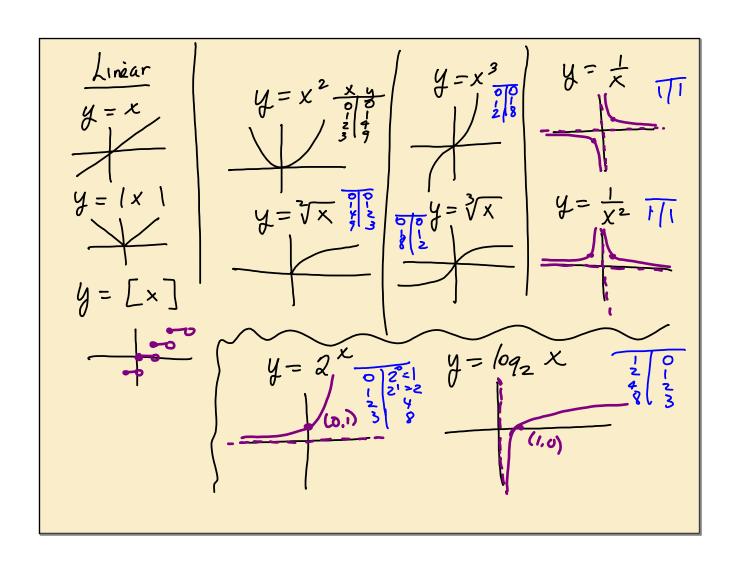
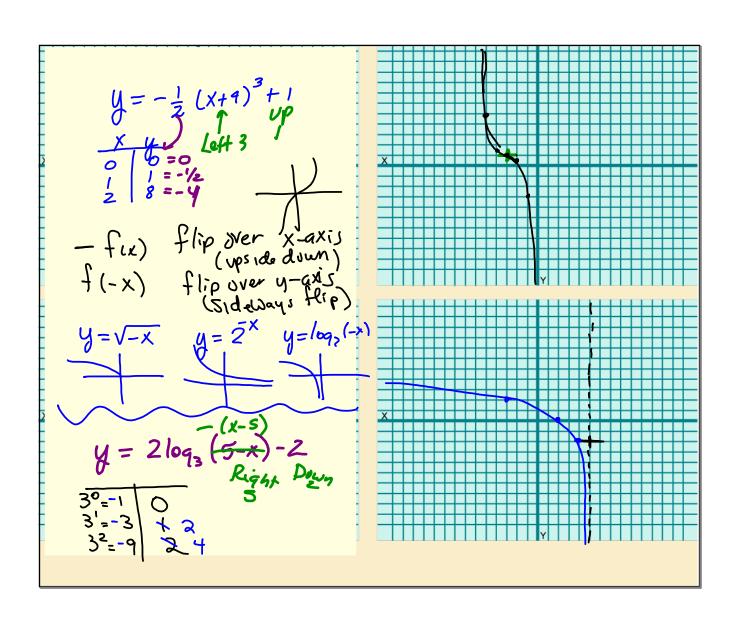
SEMESTER RENEW DAY 2 of 3

19(c) Find
$$f^{-1}(x)$$
.
 $f(x) = 4x^2 - 7$
 $x = 4y^2 - 7$
 $\frac{x+7}{4} = \frac{xy^2}{4}$
 $f(x) = 4x^2 - 7$
 $f(x) = 4x^2 - 7$

- 1) Switch X Y y
- 2) Solve for y







RATIONAL FUNCTIONS

$$\frac{3}{4} - \frac{2}{3}$$
 $\frac{3}{4} - \frac{2}{3}$
 $\frac{3}{4} - \frac{2}{3}$

1) Factor each quantity (x-s)(x-2)

 $\frac{3}{4} - \frac{2}{3}$
 $\frac{3}{4} - \frac{2}$

Like Solve forx. $\sqrt[2]{5^{x}} = (\frac{1}{25})^{2x-1}$ Make common bases. $5^{\frac{x}{2}} = (\frac{1}{5^{2}})^{2x-1}$ $|0g_{7}|^{49} = |0g_{7}|^{7} = 2$ $|0g_{2}|^{49} = |0g_{2}|^{4} = |0g_{2}|^{2}$ $|0g_{2}|^{4} = |0g_{2}|^{4}$ $|0g_{2}|^{4} = |0g_{2$

$$\begin{aligned} & \left| \begin{array}{c} \log_b m + \log_b n = \left| oq_b \left(\begin{matrix} m \cdot n \right) \right| \\ \log_7 \left(\begin{matrix} x+3 \right) - \log_7 x = 2 \\ \log_b m - \log_b n = \log_b \left(\begin{matrix} m \cdot n \right) \\ n \end{matrix} \right| \\ & \left| \log_b \left(\begin{matrix} x+3 \\ x \end{matrix} \right) = 2. \end{aligned}$$

$$& \left| \log_b m \right|^p = p / oq_b m$$

$$& \left| \log_b \left(\begin{matrix} x+3 \\ x \end{matrix} \right) = 2.$$

$$& \left| \log_7 \left(\begin{matrix} x+3 \\ x \end{matrix} \right) = 2.$$

$$& \left| \log_7 \left(\begin{matrix} x+3 \\ x \end{matrix} \right) = -2.$$

$$& \left| \log_7 \left(\begin{matrix} x+3 \\ x \end{matrix} \right) = -2.$$

$$& \left| \log_7 \left(\begin{matrix} x+3 \\ x \end{matrix} \right) = -2.$$

$$& \left| x \right| = -2.$$