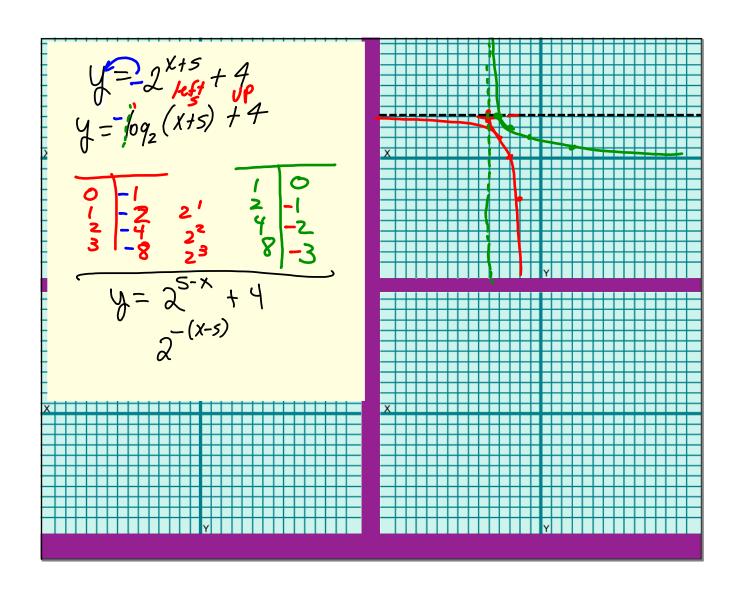
LOG REVIEW

#1-3 No graphing calculator:

a)
$$(\frac{1}{a5})^{x+2} = \sqrt[3]{5}^{x}$$

Make company convolutions:

 $(\frac{1}{a5})^{x+2} = \sqrt[3]{5}^{x}$
 $(\frac{1}{5^{2}})^{x+2} = \sqrt[3]{5}^{x}$
 $(\frac{1}{5^{2}})^{x$



```
Solving equations with logs
    1) Get one log on each side.
Using properties
                               (4) |_{Q_3} x = 5
    2) Exponentiate
\log_2 x + \log_2 (x+3) = \log_2 28 3^{\log_3 x} = 3^5 x = 3^5 = 243
      log 2 (x(x+3) = log 28
     2^{\log_2(X^2+3x)} = \log_2 28
           X2+3X=28
           \chi^{2} + 3\chi - 28 = 0
          (x+7)(x-4)=0
            x=-7 x=4 = Chack
```