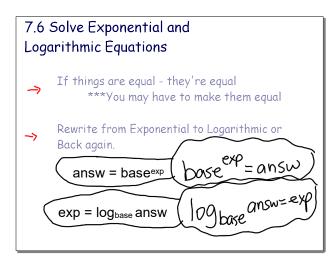


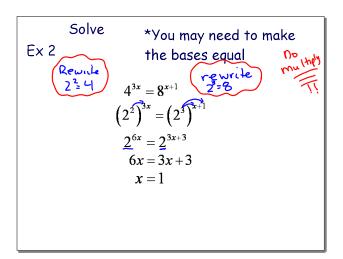
Apr 19-11:19 AM



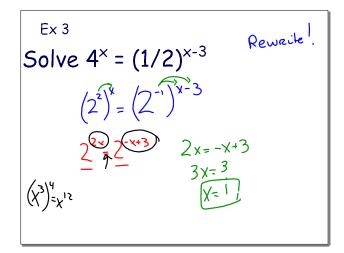
Feb 22-4:19 PM

Ex 1
$$\underline{4}^{x+4} = \underline{4}^{2x-1}$$

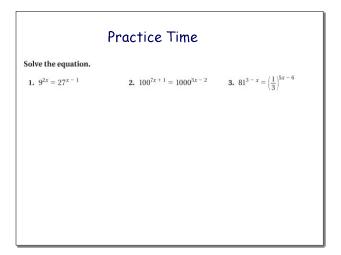
Feb 22-4:33 PM



Mar 3-9:00 PM



Mar 2-8:15 PM



Feb 22-4:35 PM

2nd method of solving - If logs & bases are equal then expressions are equal

Ex 1

$$\frac{\log_{4}(x+2) = \log_{4}(3x-1)}{(x+2) = (3x-1)}$$

$$\frac{3 - 2x}{2} = x$$

Feb 22-4:39 PM

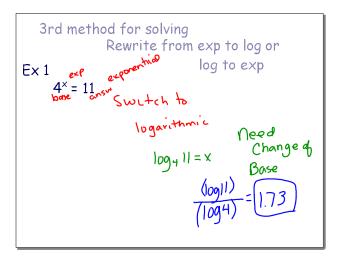
Solve $\log_5 (4x - 7) = \log_5 (x + 5)$. $\log_5 (4x - 7) = \log_5 (x + 5)$. $\log_5 (4x - 7) = \log_5 (x + 5)$ Write original equation. 4x - 7 = x + 5 Property of equality for logarithm 3x - 7 = 5 Subtract x from each side. 3x = 12 Add 7 to each side. x = 4 Divide each side by 3.

Feb 22-4:27 PM

Ex 3
Solve:
$$\log_3 (5x-1) = \log_3 (x+7)$$

 $(5x-1) = (x+7)$
 $5x = x+7+1$
 $5x-x=8$
 $4x=8$
 $x=2$

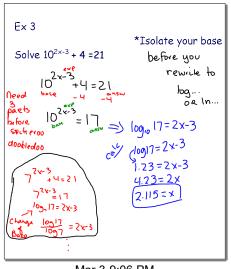
Mar 3-9:08 PM



Feb 22-4:34 PM

```
Ex 2 Solve
2^{x} = 7
\log_{3} 7 = x
\frac{\log 7}{\log 2} = x
\frac{\log 7}{\log 2} = x
```

Mar 3-9:04 PM



Mar 3-9:06 PM

$$\log_{2}x = 5^{\text{eff}}$$

$$2^{\frac{5}{2}} = \chi$$

$$32 = \chi$$

$$(3x+3) = 5^{\text{eff}}$$

$$2^{\frac{5}{2}} = 3x+3$$

$$32 = 3x+3$$

$$30 = 3x$$

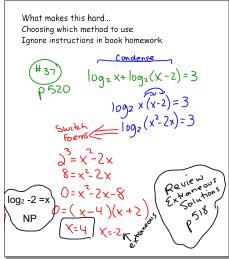
$$10=\chi$$

Apr 7-8:55 AM

HW Pg 519, #3-42

Multiples of 3

May 5-9:31 AM



Apr 7-7:49 AM