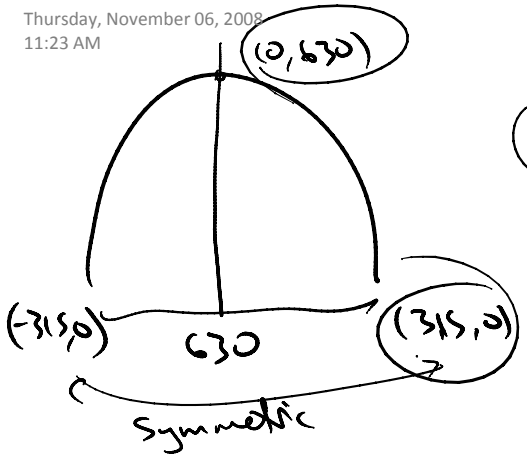
Log Properties + 5.2 HW Discussion

Thursday, November 06, 2008
11:23 AM



$A(e^{kx}+e^{-kx})+C$

-630 $\quad$ 630

$x \to -x$ equivalent

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650 mill 10 years ago

790 mill now

① $f(t) = a \cdot b^t$ $\quad$ $f(0) = 650$ $\quad$ $f(10) = 790$ $\quad$ solve for b, substitute 15 for t

② $f(0) = 790$ $\quad$ $f(-10) = 650$ $\quad$ same as ①

③ $\left(\frac{790}{650}\right) = r^{10}$ $\quad$ $790 \cdot r^5 = 790 \cdot (r^{10})^{1/2}$

$= 790\sqrt{\left(\frac{790}{650}\right)}$