Bell Work: Solve

1.) $-2(4)^{x-5}-2=-12$

2.) $7\log_5(5x)+8=98$

3.) $\log_2(200)=??$

From Last Time

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PRE-CALC TRIG

Day 27

Quiz 1 Level 2: Evaluate and Expand

Evaluate:

1.) $log_2 64$

2.) $log_{25} 5$

3.) $ln\ e^{5x}$

Expand:

4.) $log_4 16x^5w^2$

Quiz 1 Level 3: Solve

5.) $log_4(3x - 11) = 3$

6.) $4 \ln 2x = 24$

7.) $7^{4x-10} = 343$

Quiz 1 Level 4: Solve the Following

You have $3000 to invest. How long will it take for you to have $5000 in your account if you invest it at 6.2% compounded daily?

Would it be a better or worse idea to invest your $3000 into an account that pays 6.15% compounded continuously? Why?

Things to Study:

Evaluate log and ln with numbers

Simplify log and ln with variables

Expand and Condense logs with properties

Rewrite from exponential to log and vica versa

Solve exponentials and logarithms

Logarithmic models and solving

Review Assignment:

- Page 273 # 1, 8, 12 – 15, 17 – 19,
  21 – 26,

- Page 270 #21 – 24, 33, 37 – 48,
  59, 61 – 63, 73, 75 – 76,
  83 – 101, 109