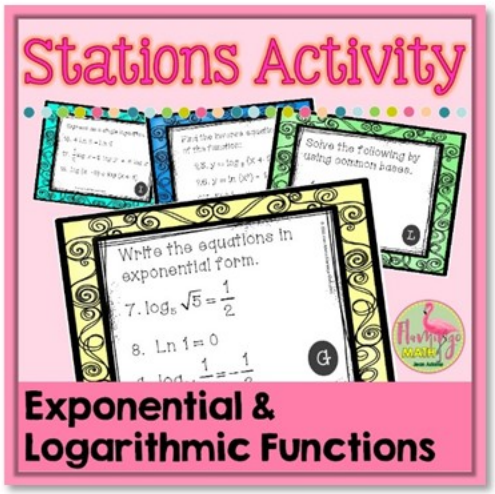


Exponential & Logarithmic Functions Stations Activity

This Algebra 2 Stations Activity is a fun-filled cooperative set of task cards for ***Exponential & Logarithmic Functions Unit.***

This is an activity designed as a review for Exponential & Logarithmic Functions and Graphs. There are 10 task cards that cover the concepts for logarithmic equations, properties, inverses, and graphing. There is also a student recording sheet on which to answer the prompts.
Print and Go differentiation saves you valuable planning time.

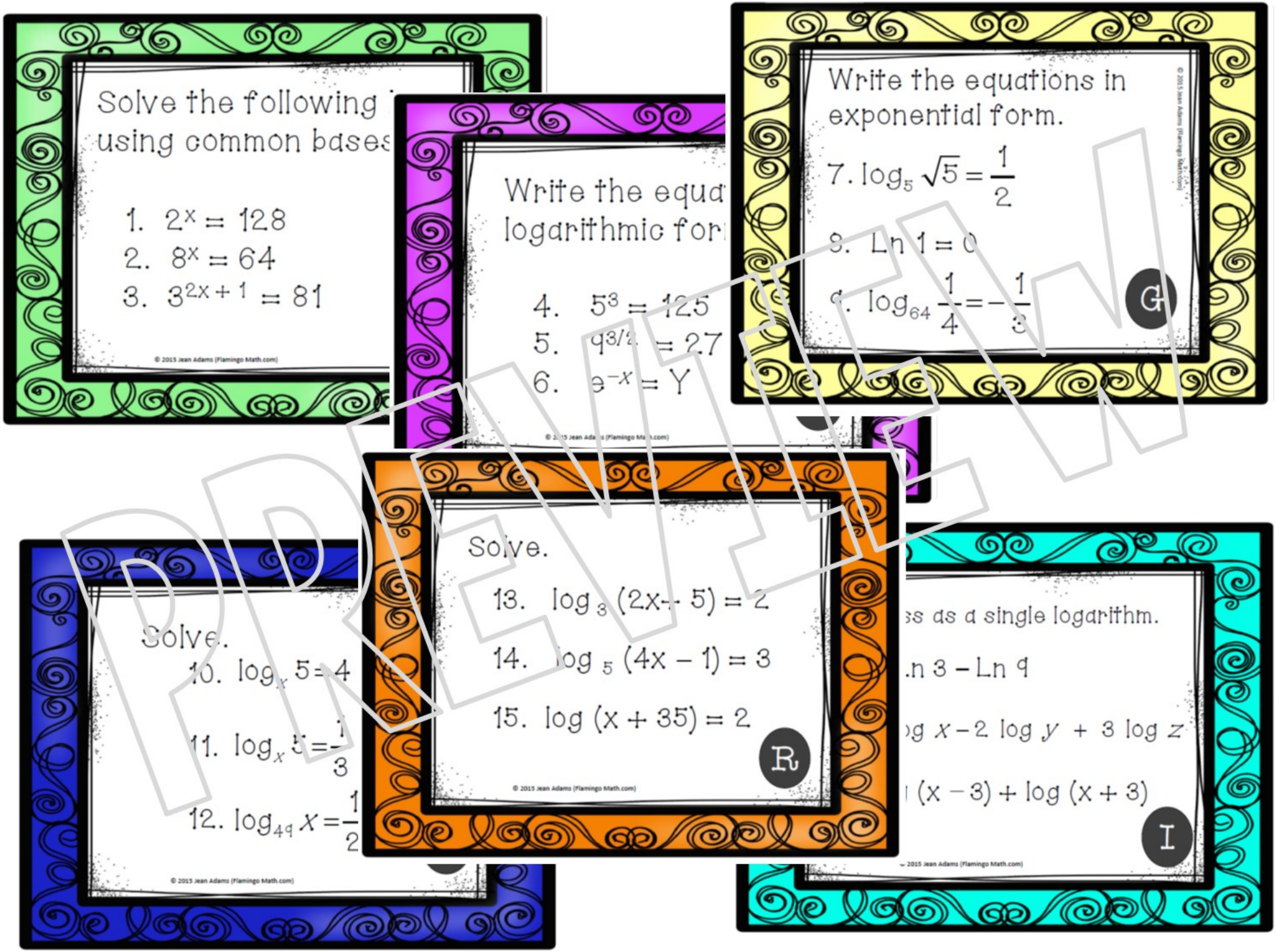
Standards covered:

CCSS: : HSF.LE.A.1.C; HSF.LE.A.2; HSF.LE.A.3; HSF.BF.A.1.B; HSF.LE.A.1.A; HSF.LE.A.1.C; HSF.IF.C.7.E; HSF.IF.C.8.B

TEKS: A2.1(A); A2.1(B); A2.1(C); A2.1(D); A2.1(E); A2.1(F); A2.2(A); **:** A2.2(C); A2.5(A); A2.1(E);A2.8(A); A2.5(A); A2.5(B); A2.5(C); A2.5(D); A2.5(E)

Teaching Suggestions:

- ❑ Use the set as a group activity for 2-4 per group .
- ❑ Use the cards as a review activity prior to assessing students.


Solve the following
using common bases
1. $2^x = 128$
2. $8^x = 64$
3. $3^{2x+1} = 81$
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Write the equa
logarithmic for
4. $5^3 = 125$
5. $q^{3/2} = 27$
6. $e^{-x} = Y$
Write the equations in
exponential form.
7. $\log_5 \sqrt{5} = \frac{1}{2}$
8. Ln 1 = 0
9. $\log_{64} \frac{1}{4} = -\frac{1}{3}$
G
Solve.
10. $\log_x 5 = 4$
11. $\log_x 5 = -\frac{1}{3}$
12. $\log_{49} x = \frac{1}{2}$
Solve.
13. $\log_3 (2x - 5) = 2$
14. $\log_5 (4x - 1) = 3$
15. $\log (x + 35) = 2$
R
ss as a single logarithm.
.n 3 – Ln 9
$\log x - 2 \log y + 3 \log z$
$(x - 3) + \log (x + 3)$
I
PREVIEW

Use properties of logarithms to expand:

19. $\log \frac{3x}{y}$

20. $\log \sqrt{5x}$

21. $\ln \frac{4x^3}{y}$

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Solve. Round your answe
nearest ten-thousandth.

22. $\log 3x = -2$

23. $\ln 4x - 3 = -3$

24. $8^{x-2} = 14$

H

Find the inverse equation of the function:

25. $y = \log_3 (x + 2)$

26. $y = \ln (x^3) - 1$

27. $5^{x+4} = y$

M

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Graph the function, graph the inverse function, state the asymptotes.

28. $y = \log_2 (x + 2) - 3$

29. $y = \left(\frac{1}{2}\right)^{x-1} + 2$

S

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PREVIEW



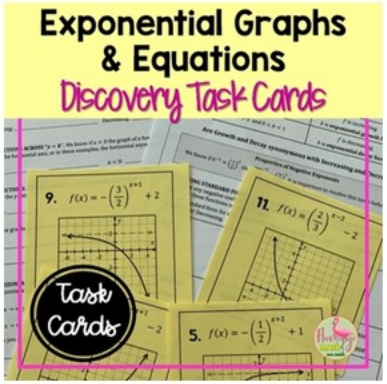
My goal is to help you bring balance into your teacher life by providing relevant content, engaging activities, and comprehensive assessments for your high-stakes math course.

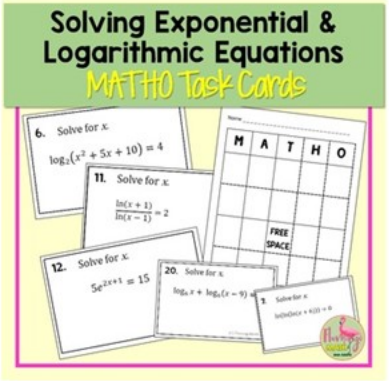
Jean

More Resources for YOU









Let's keep in touch! I'm here for you!

TPT

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jean@flamingomath.com

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NEWS LETTER