

EXPONENTIAL & LOGARITHMIC Functions

Lesson Bundle!

Graphs of Exponential Functions

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Graphs of Exponential Functions

Learning Objectives

- I can identify patterns in the graphs of exponential parent functions and use patterns to graph left exponential parent functions.
- I can identify transformations from an exponential parent function and use those transformations to graph a given function.
- I can identify the equation to the horizontal asymptote, domain, and range of an exponential function.

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EXPONENTIAL & LOGARITHMIC Functions

Graphs of Exponential Functions

Can you Spot the Patterns?

1. **DESCRIBE:** I think the graph of an exponential function is the form $f(x) = a^x$ based on a relationship of...

Learning Objectives

- I can identify patterns in the graphs of exponential parent functions and use those patterns to graph left exponential parent functions.
- I can identify transformations from an exponential parent function and use those transformations to graph a given function.
- I can identify the equation to the horizontal asymptote, domain, and range of an exponential function.

WARM UP: Complete the tables below and use the ordered pairs to graph functions $f(x) = 40x$ and $g(x)$.

Notes about the graph



Algebra 2

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N Colangelo



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