Pre-Calculus
Exponential Graphing Practice

Collected / Not Collected
Graph each equation. State the domain and range for each function.

|  |  |  |  |  |  |  | $\square$ | $f(x)=3^{x}+1$ |  |  |  |  |  |  | $\square$ | $f(x)=\frac{1}{2}^{x-1}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
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|  |  |  |  |  |  |  | $\bigcirc$ |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | $\square$ |  |  |  |  |  |  |  | $\square$ |  |
|  |  |  |  |  |  |  | $\square$ |  |  |  |  |  |  |  | $\square$ |  |
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| - |  |  |  |  |  |  | - |  |  |  |  |  |  |  | 1 |  |
|  |  |  |  |  |  |  | $\square$ | $f(x)=-2^{x}-1$ |  |  |  |  |  |  | $\square$ | $f(x)=-3^{x+2}$ |
|  |  |  |  |  |  |  | $\because$ |  |  |  |  |  |  |  | $\because$ |  |
|  |  |  |  |  |  |  | - |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | $\theta$ |  |  |  |  |  |  |  | $7$ |  |
|  |  |  |  |  |  |  | - |  |  |  |  |  |  |  | $\bigcirc$ |  |
|  |  |  |  |  |  |  | - |  |  |  |  |  |  |  | $\bigcirc$ |  |
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| - |  |  |  |  |  |  | $\square$ |  |  |  |  |  | , | 1 | 1 |  |
|  |  |  |  |  |  |  | , | $f(x)=2(2)^{x}$ |  |  |  |  |  |  | $\square$ | $f(x)=\frac{1}{2}\left(2^{x}\right)$ |
|  |  |  |  |  |  |  | - |  |  |  |  |  |  |  | - |  |
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|  |  |  |  |  |  |  | - |  |  |  |  |  |  |  | $\bigcirc$ |  |
| - |  |  |  |  |  |  | $\dagger$ |  |  |  |  |  |  |  | $\dagger$ |  |
|  |  |  |  |  |  |  | , | $f(x)=\frac{2}{3}^{x}-1$ |  |  |  |  |  |  | $\square$ | $f(x)=3\left(2^{x-1}\right)-4$ |
|  |  |  |  |  |  |  | $\theta$ |  |  |  |  |  |  |  | $\theta$ |  |
|  |  |  |  |  |  |  | $\theta$ |  |  |  |  |  |  |  | - |  |
|  |  |  |  |  |  |  | - |  |  |  |  |  |  |  | $\bigcirc$ |  |
|  |  |  |  |  |  |  | - |  |  |  |  |  |  |  | $\theta$ |  |
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|  |  |  |  |  |  |  | $\square$ |  |  |  |  |  |  |  | 1 |  |

