

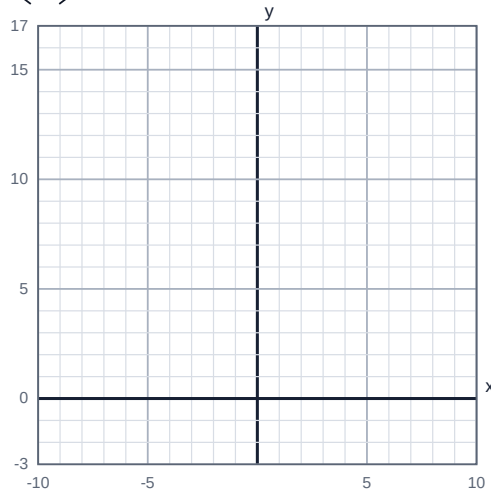
Math Sheet

Name _____ Score _____ / 8 Teacher _____ Date _____

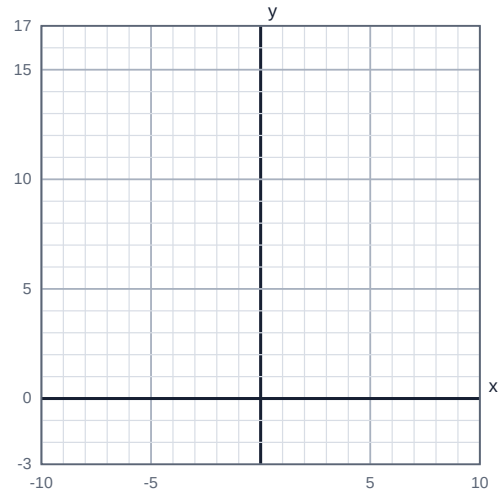
Graphing Exponential Functions

Graph the first four exponential functions. For the last four, use the curve and marked points to write $y = a \cdot b^x$.

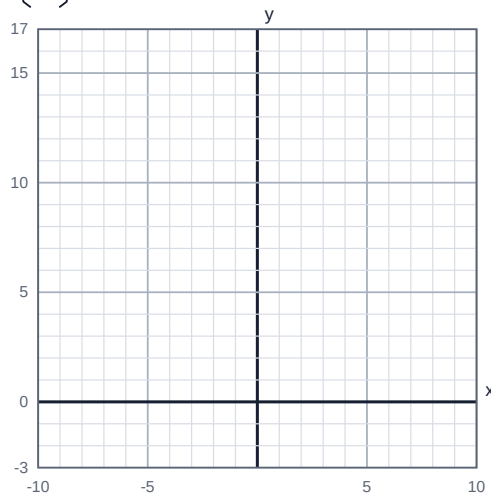
1. $y = 5 \cdot \left(\frac{1}{3}\right)^{x+2} + 3$



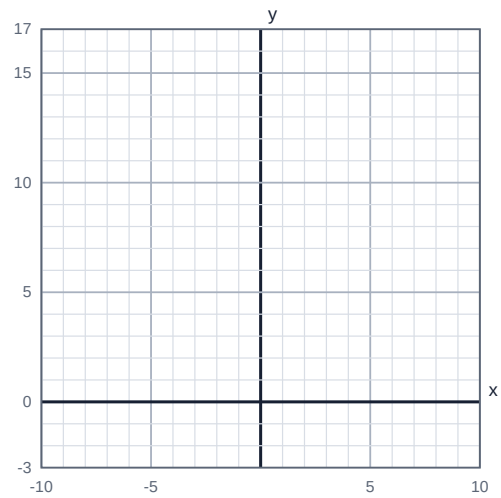
2. $y = 3 \cdot 3^x$



3. $y = 4 \cdot \left(\frac{1}{2}\right)^x$



4. $y = 3 \cdot 2^x + 2$



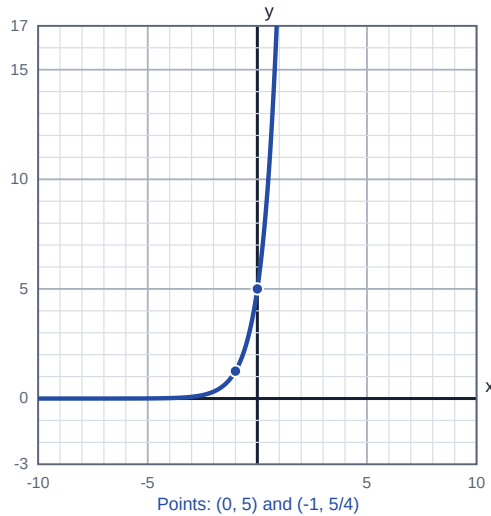
Math Sheet

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Graphing Exponential Functions

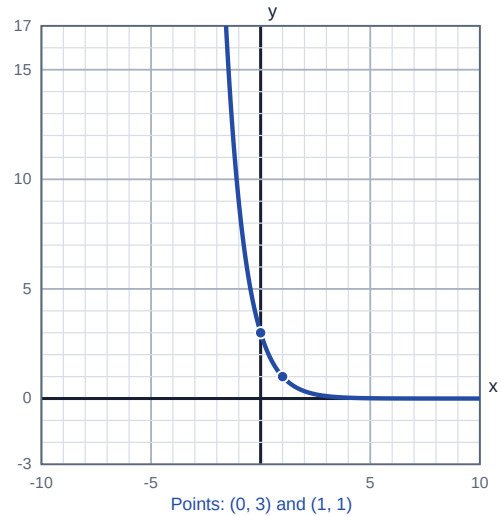
Graph the first four exponential functions. For the last four, use the curve and marked points to write $y = a \cdot b^x$.

5. Write $y = a \cdot b^x$.



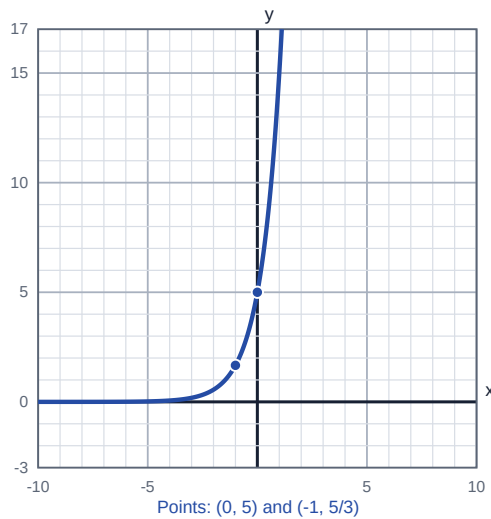
Equation: _____

6. Write $y = a \cdot b^x$.



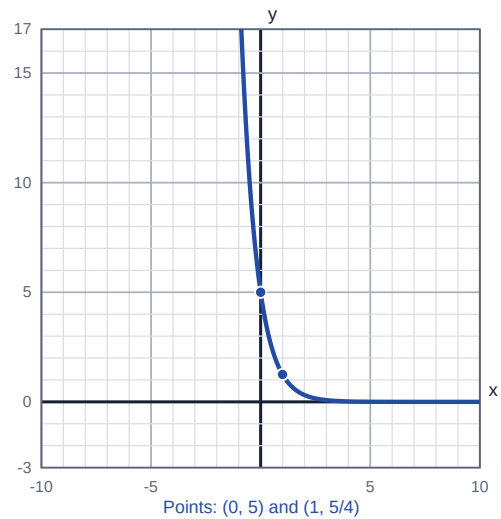
Equation: _____

7. Write $y = a \cdot b^x$.



Equation: _____

8. Write $y = a \cdot b^x$.



Equation: _____

Math Sheet

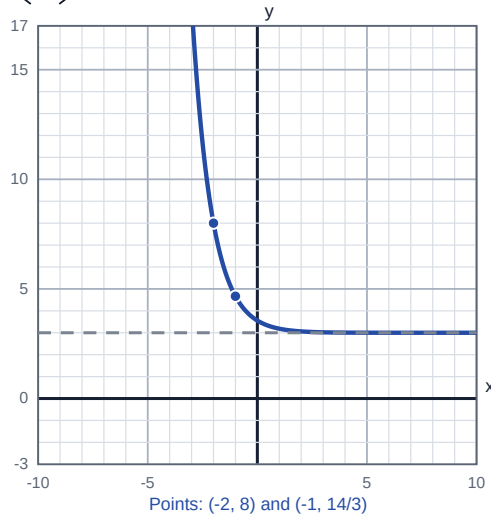
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Graphing Exponential Functions

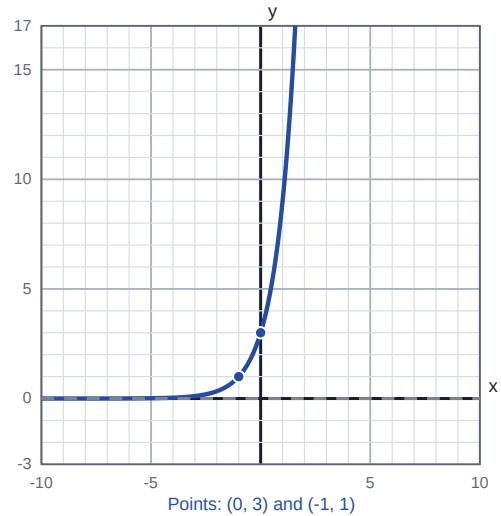
Answer Key

Graph the first four exponential functions. For the last four, use the curve and marked points to write $y = a \cdot b^x$.

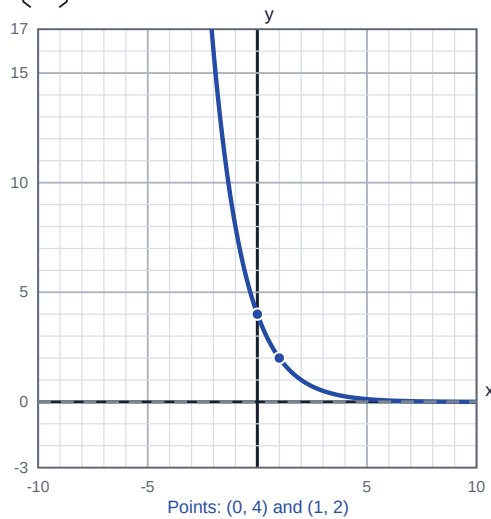
1. $y = 5 \cdot \left(\frac{1}{3}\right)^{x+2} + 3$



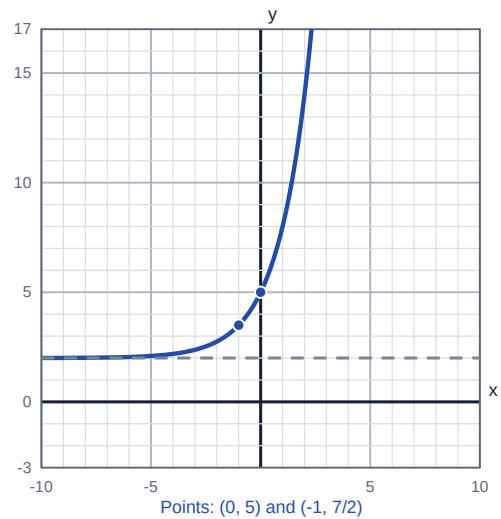
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Math Sheet

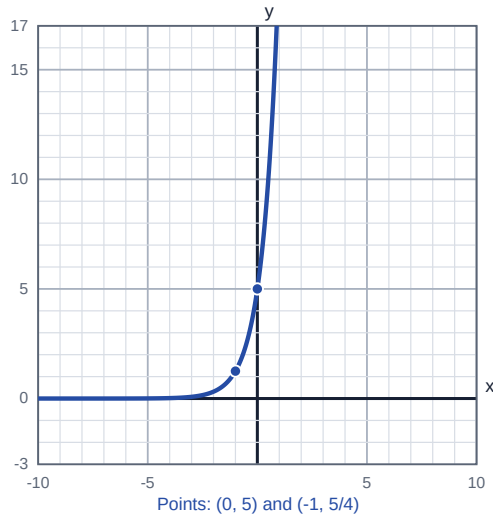
Name _____ Score _____ / 8 Teacher _____ Date _____

Graphing Exponential Functions

Answer Key

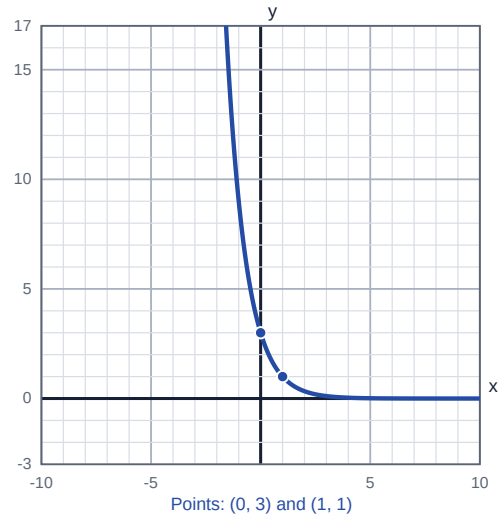
Graph the first four exponential functions. For the last four, use the curve and marked points to write $y = a \cdot b^x$.

5. Write $y = a \cdot b^x$.



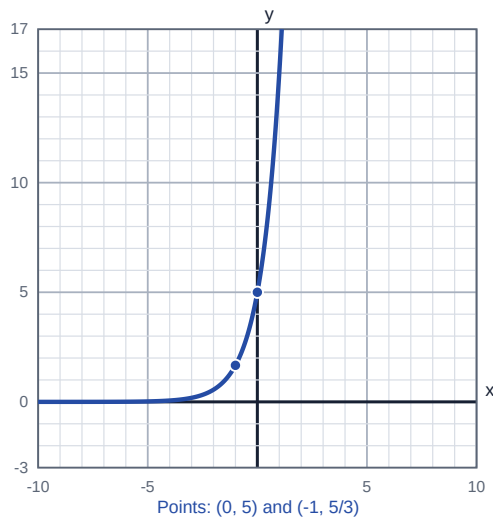
$$y = 5 \cdot 4^x$$

6. Write $y = a \cdot b^x$.



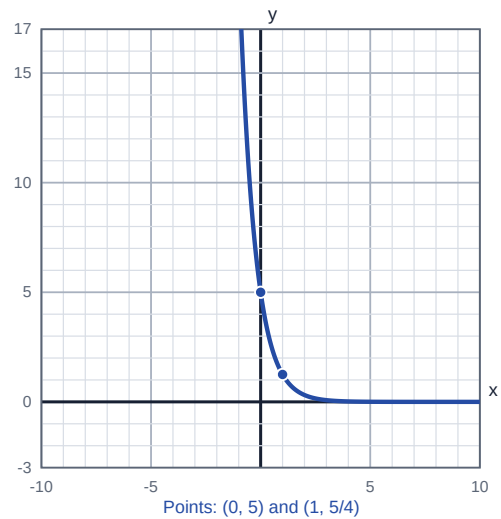
$$y = 3 \cdot \left(\frac{1}{3}\right)^x$$

7. Write $y = a \cdot b^x$.



$$y = 5 \cdot 3^x$$

8. Write $y = a \cdot b^x$.



$$y = 5 \cdot \left(\frac{1}{4}\right)^x$$