

LESSON
8.1

NAME _____

DATE _____

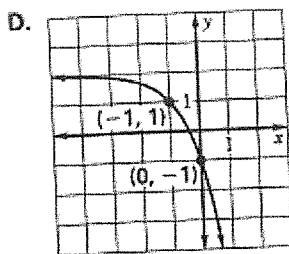
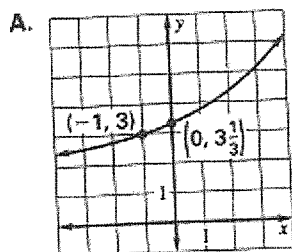
Practice B

For use with pages 465-472

Match the function with its graph.

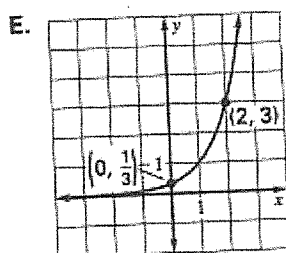
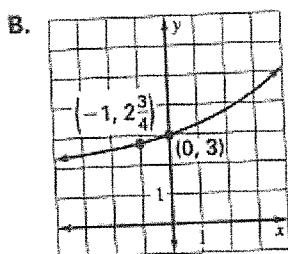
1. $f(x) = \left(\frac{4}{3}\right)^x + 2$

4. $f(x) = 3^{x-1}$



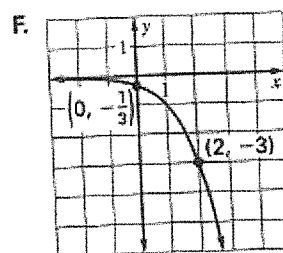
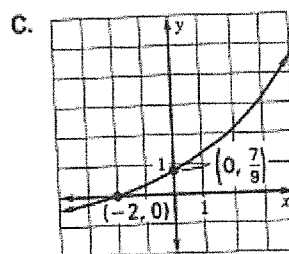
2. $f(x) = \left(\frac{4}{3}\right)^{x+1} + 2$

5. $f(x) = -3^{x-1}$



3. $f(x) = \left(\frac{4}{3}\right)^{x+2} - 1$

6. $f(x) = -3^{x+1} + 2$


Explain how the graph of g can be obtained from the graph of f

7. $f(x) = \left(\frac{1}{2}\right)^x$

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

8. $f(x) = 10^x$

$g(x) = -10^{x+2}$

9. $f(x) = 3^x$

$g(x) = 3^{x+2} - 4$

Identify the y-intercept

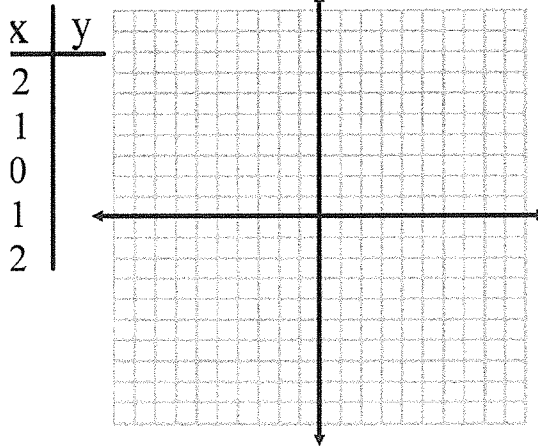
10. $y = \frac{1}{2} \cdot 2^x$

11. $y = -4 \cdot 7^x$

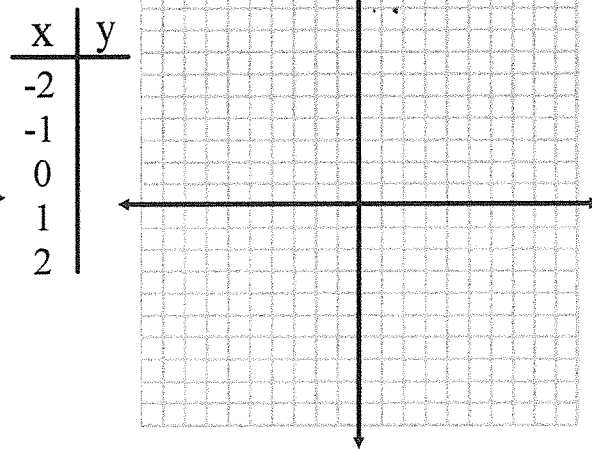
12. $y = 3^x + 2$

Graph the function.

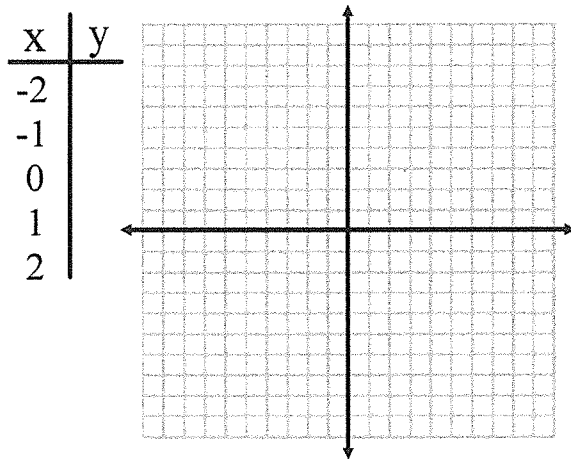
13. $y = 4^x$



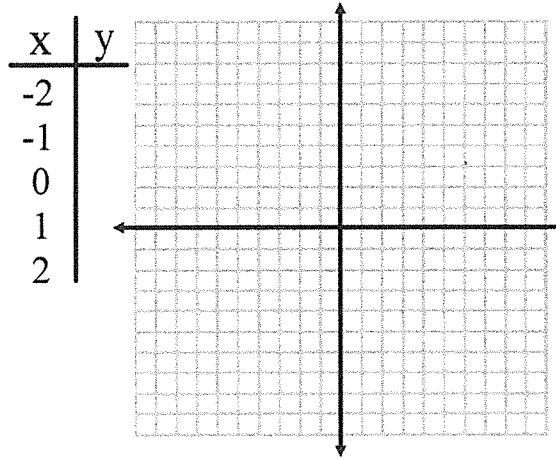
14. $y = 2^x$



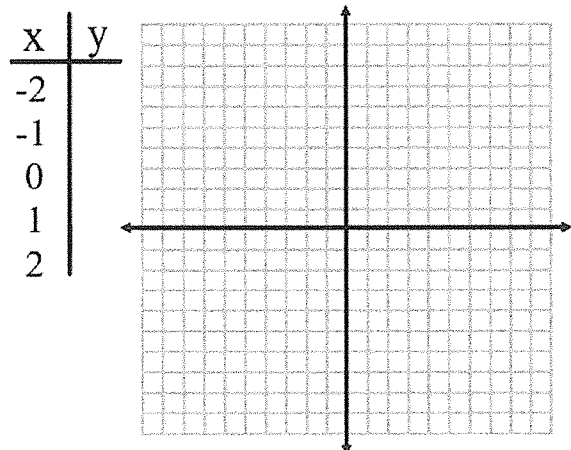
15. $y = 3^x + 1$



16. $y = 2^x - 3$



17. $y = 3^{x+1} + 2$



18. $y = 2^{x-1} - 3$

