

Name: _____ Period: _____ Date: _____

Exponential Functions Assignment

Find $f(x)$ given the value of x below.

$$y = 2 \cdot 5^x$$

1. $x = -2$

2. $x = 6$

3. $x = 4$

4. $x = 0$

$$y = 0.5^x$$

5. $x = -2$

6. $x = 2$

7. $x = -3$

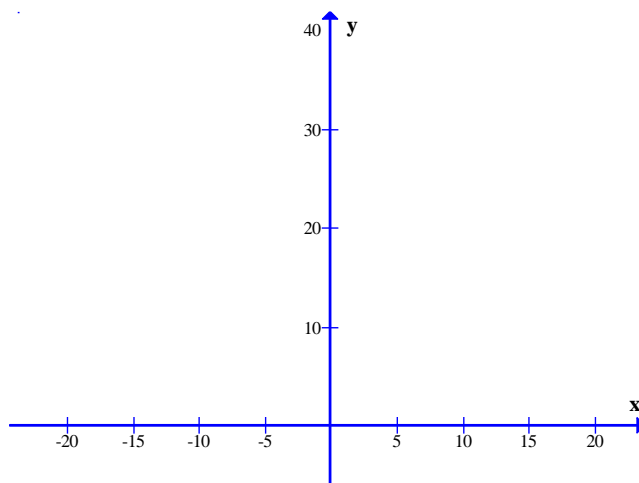
8. $x = 0$

Exponential Functions Assignment

Draw the graph of the following exponential function given their coordinates.

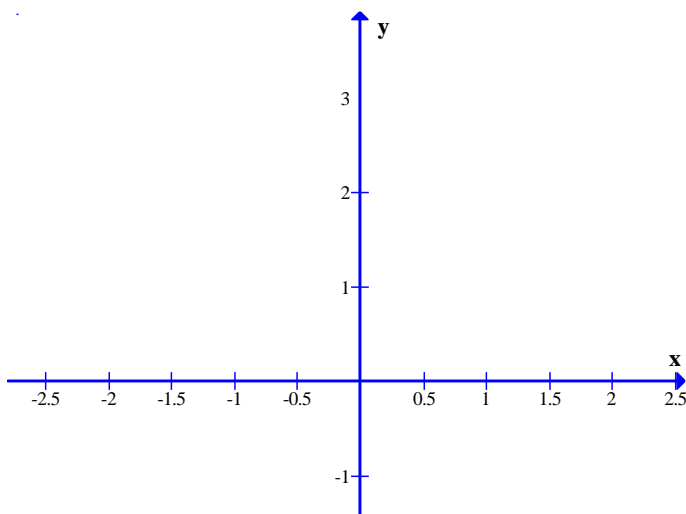
9. $y = 3^x$

x	0	2	3
y	1	9	27



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

x	-2	-1	0
y	1.78	1.33	1



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Exponential Functions Assignment

Find the $f(x)$ given the value of x of the following function and draw the graph of the function.

$$y = 4^{x-1}$$

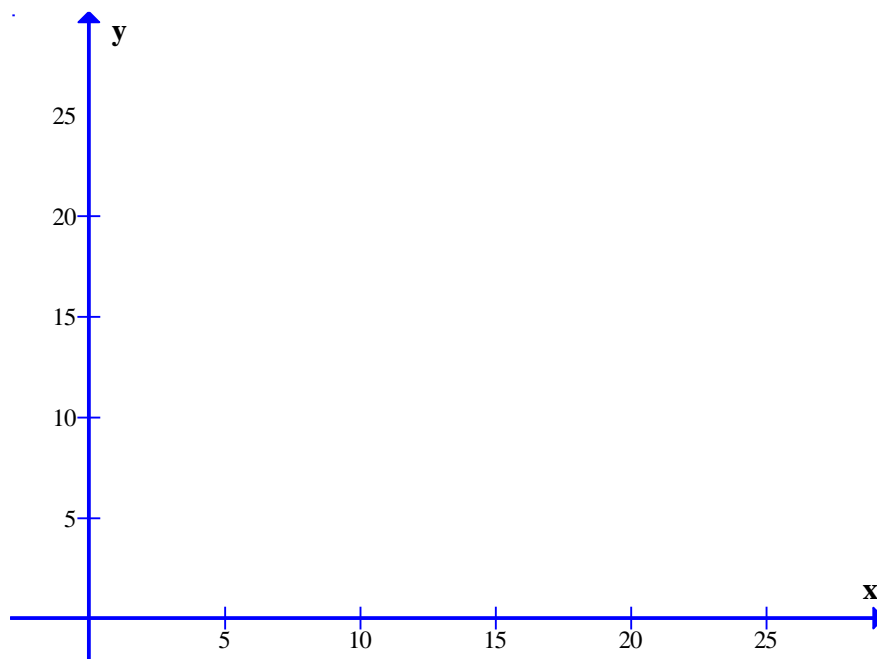
11. $x = -1$

12. $x = 1$

13. $x = 2$

14. $x = 3$

15. Graph $y = 4^{x-1}$



Exponential Functions Assignment

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

16. $x = -1$

17. $x = 0$

18. $x = 1$

19. $x = 2$

20. Graph of $y = \left(\frac{1}{2}\right)^{2x-3}$

