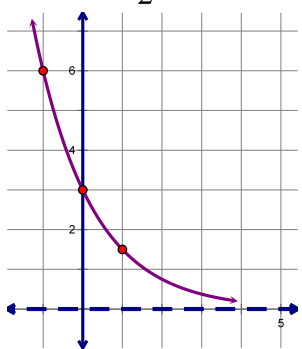
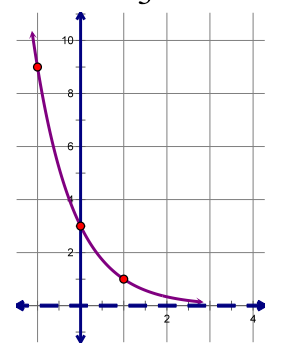
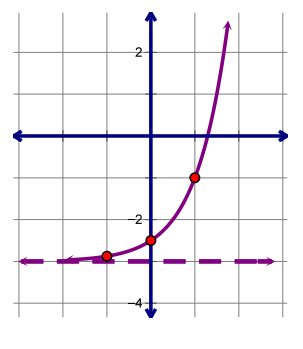
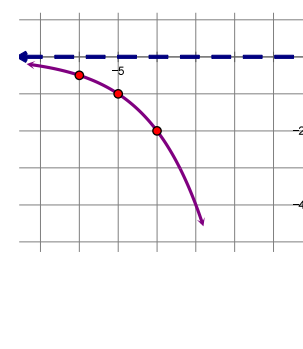
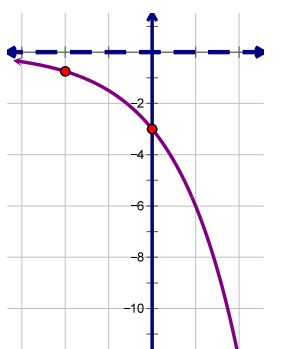
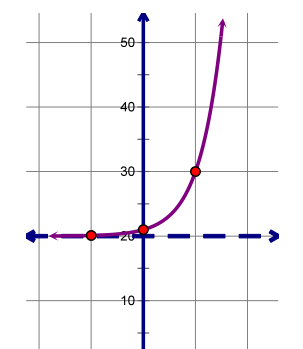
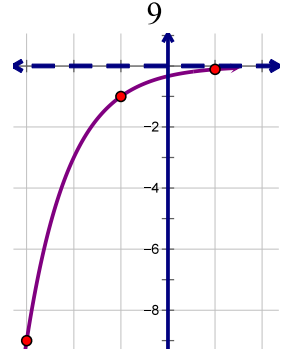
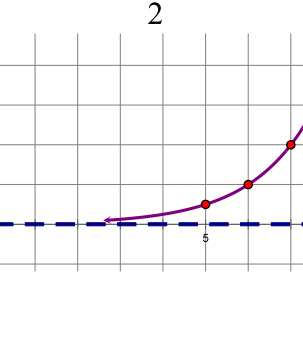
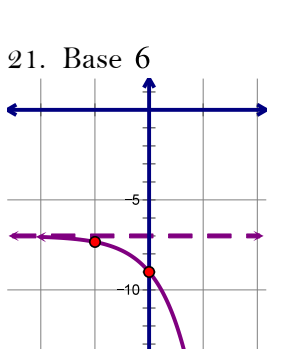
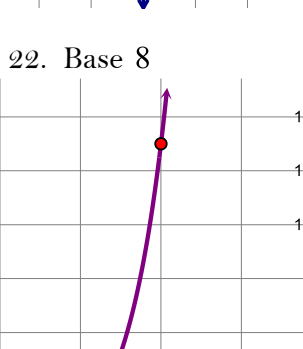
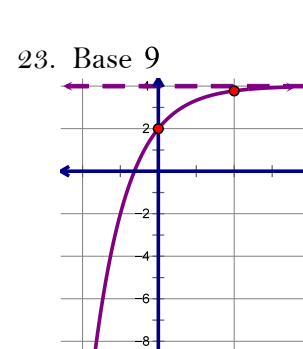


Given the equation, sketch a complete graph. (Hint: What is the parent graph and what are the key points?)

1.  $a(x) = 2^{x+5}$
2.  $b(x) = 2\left(\frac{1}{3}\right)^x$
3.  $c(x) = -\left(\frac{1}{2}\right)^{x-3}$
4.  $d(x) = \frac{1}{4}(6)^x + 1$
5.  $f(x) = (9)^{\frac{x}{2}} - 4$
6.  $g(x) = -3(8)^{\frac{x}{3}}$
7.  $h(x) = \left(\frac{1}{4}\right)^{-(x+1)}$
8.  $j(x) = -(3)^{2(x-4)}$
9.  $k(x) = \frac{1}{2}\left(\frac{1}{3}\right)^{x+2} + 2.5$
10.  $m(x) = -4\left(\frac{1}{2}\right)^x - 3$
11.  $n(x) = 3(5)^{-x} - 2$
12.  $p(x) = -5(2)^{2(x-3)} + 1$

Given the graph, find the equation with the given base.

13. Base  $\frac{1}{2}$   

14. Base  $\frac{1}{3}$   

15. Base 4  

16. Base 2  

17. Base 4  

18. Base 10  

19. Base  $\frac{1}{9}$   

20. Base  $\frac{1}{2}$   

21. Base 6  

22. Base 8  

23. Base 9  

24. Base 3  
