Algebra 2 Name: _____

Graphing Logarithms May 14th

Graph each function. State the domain, range and end behavior.

1. $a(x) = \log_3 x$

2. $b(x) = \log_2(x-4)+1$

3. ~~$c(x) = -5\log_2(x-3)$~~

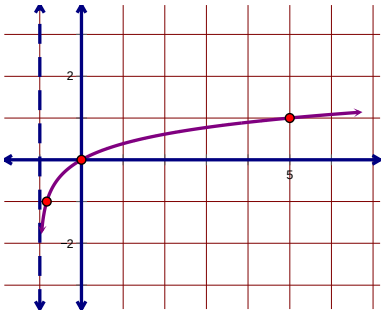
4. $d(x) = \log_5(-2x)$

5. $f(x) = \log_4\left(\frac{x+5}{3}\right) - 4$

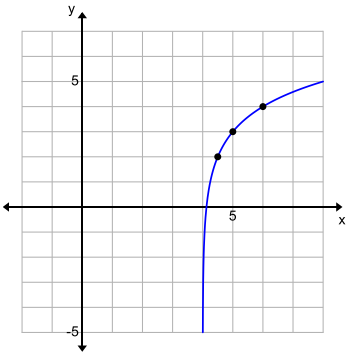
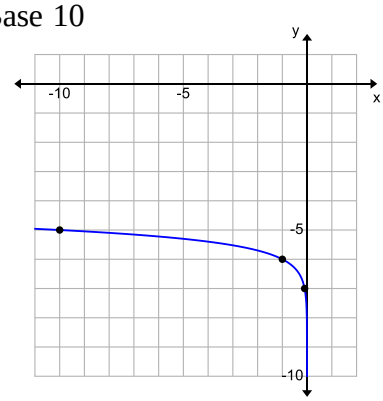
~~6. $g(x) = -2+3\log(x+1)$~~

Find the equation of each graph.

7. Base 6



8. Base 2



9. Base 10