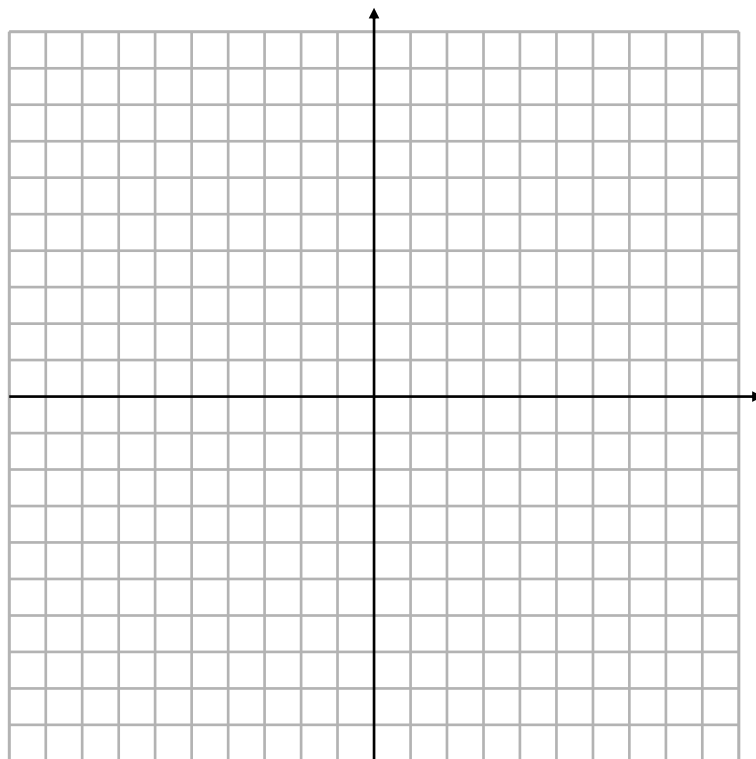
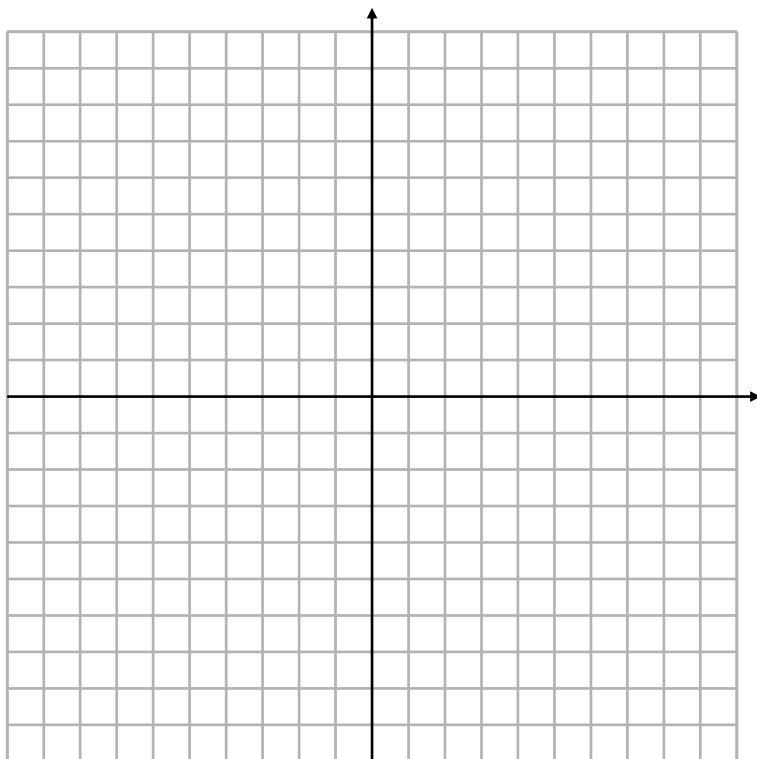


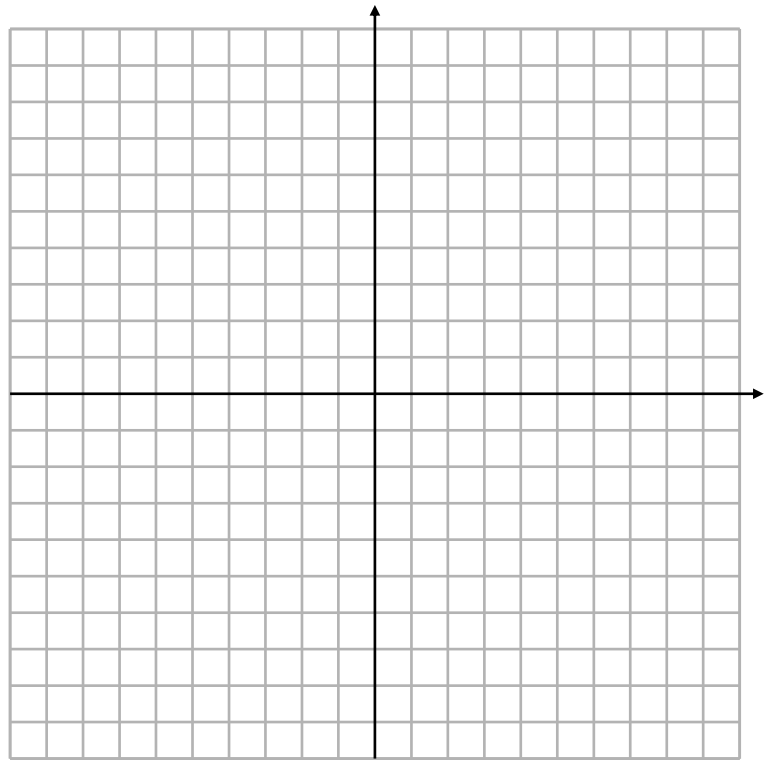
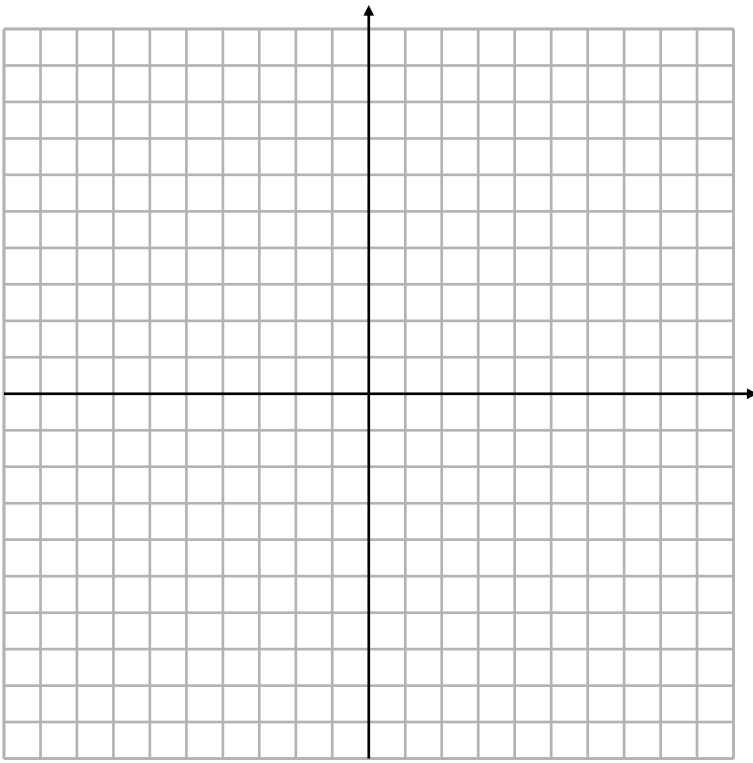
Name: \_\_\_\_\_

Date: \_\_\_\_\_



**Alg2 Homework, due Tuesday, February 13**

- 1) After making appropriate tables-of-values below, graph three functions on the left grid above:  $f_1(x) = \log_3 x$ ,  $f_2(x) = 3^x$ , and  $f_3(x) = x$ . Be sure to label each graph. You may wish to use different colors for each function.
- 2) After making appropriate tables-of-values below, graph three functions on the right grid above:  $f_1(x) = \log_5 x$ ,  $f_2(x) = 5^x$ , and  $f_3(x) = x$ . Be sure to label each graph. You may wish to use different colors for each function.



- 3) After making appropriate tables-of-values below, graph two functions on the left grid above:  $f_1(x) = \log_3(x - 2) + 3$  and  $f_2(x) = 3^{x-2} + 3$ . Be sure to label each graph. You may wish to use different colors for each function.
- 4) After making appropriate tables-of-values below, graph three functions on the right grid above:  $f_1(x) = \log_5(x + 7) - 4$  and  $f_2(x) = 5^{x+7} - 4$ . Be sure to label each graph. You may wish to use different colors for each function.