

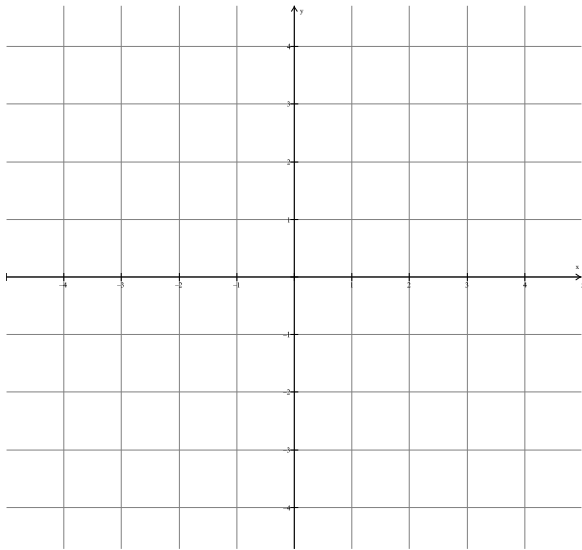
MATH 0034  
Spring 2018

### Basic Functions & Properties

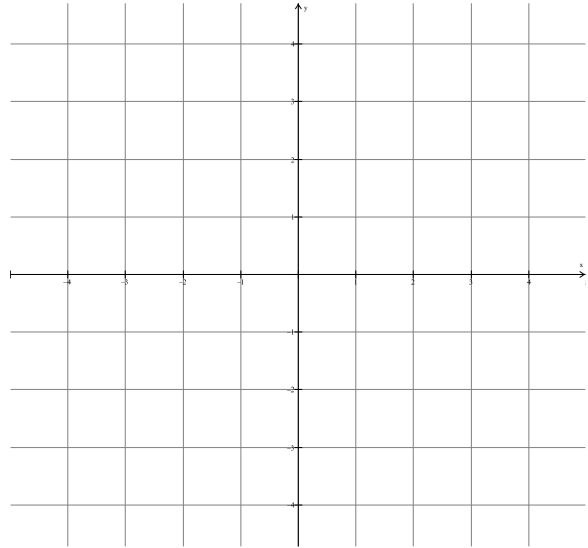
Name: \_\_\_\_\_

For the functions given below, draw graphs and list intercepts, domain, range, asymptotes if applicable.

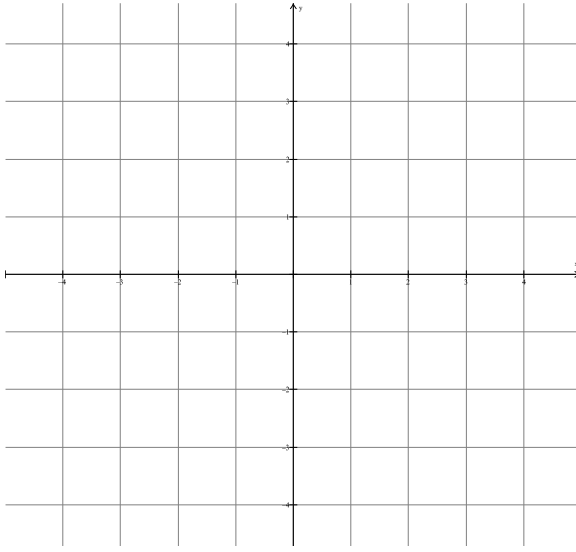
1)  $f(x) = k$



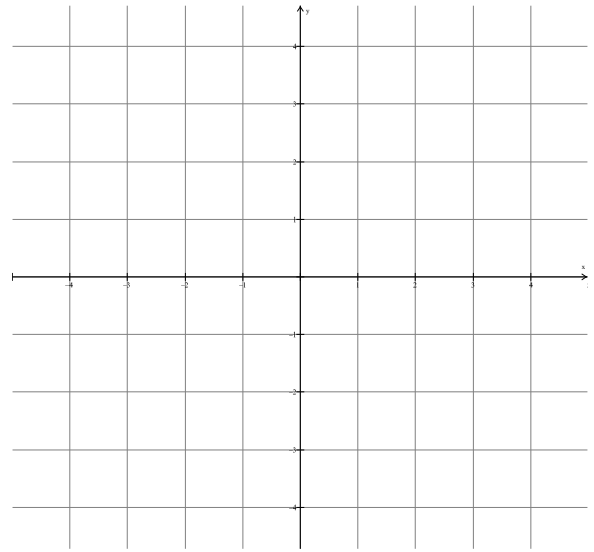
2)  $f(x) = ax + b, a > 0$



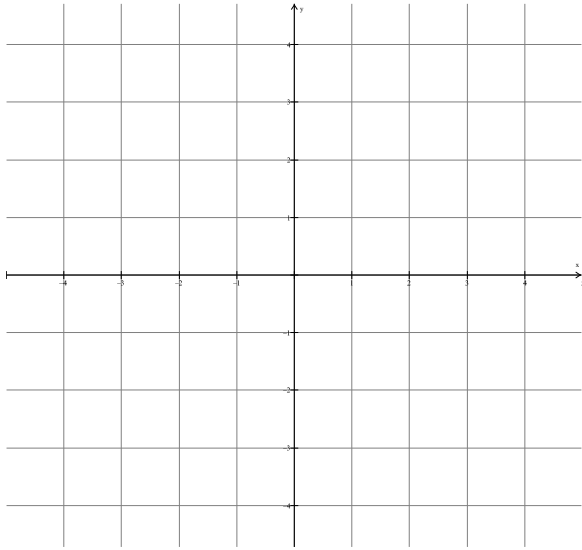
3)  $f(x) = ax + b, a < 0$



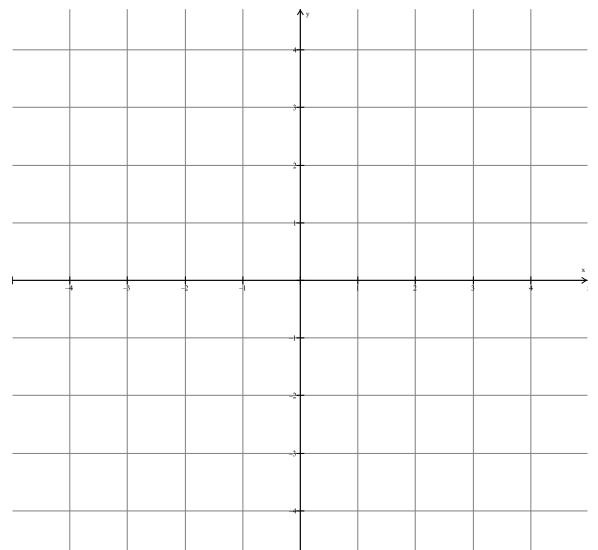
4)  $f(x) = x^2$



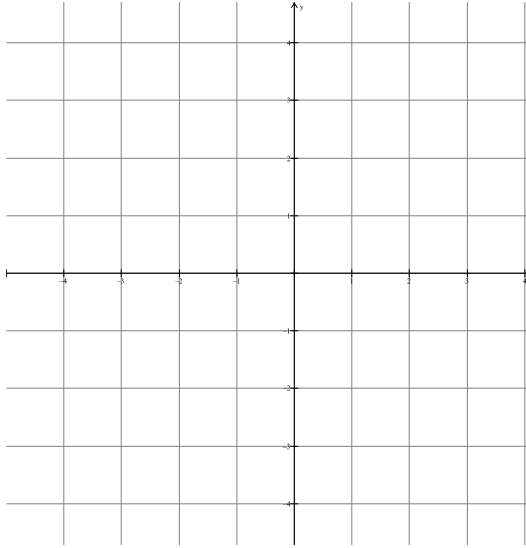
5)  $f(x) = x^3$



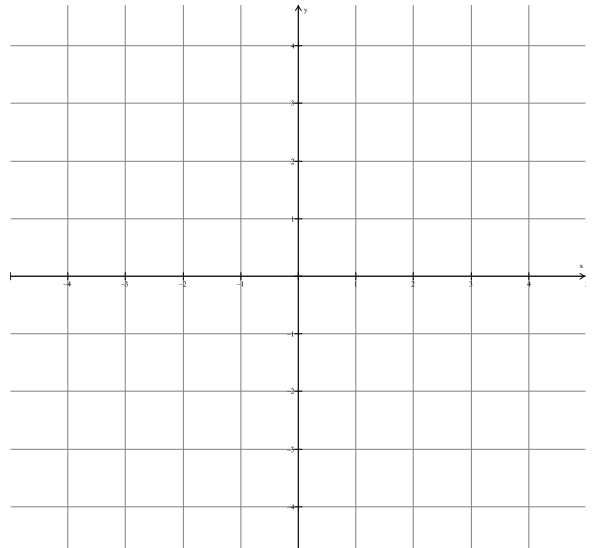
6)  $f(x) = |x|$



7)  $f(x) = \frac{1}{x}$



8)  $f(x) = \sqrt{x}$



9)  $f(x) = \sqrt[3]{x}$

