

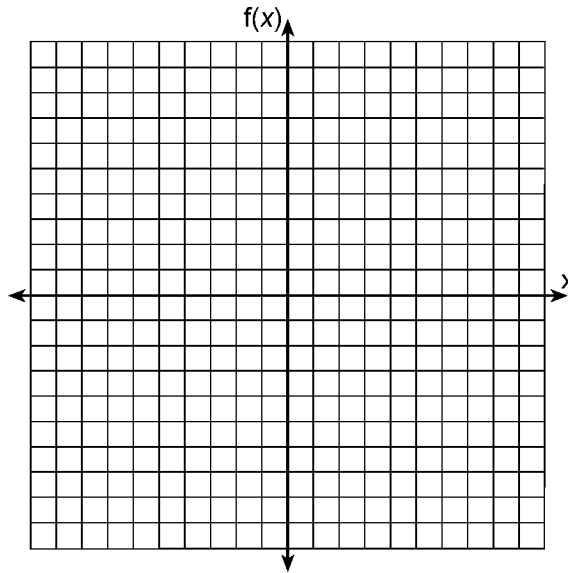
Name: _____
CC Algebra

Absolute Value Graphs

Questions 1 through 3 refer to the following:

Graph the given absolute value function on a coordinate grid. State the domain and the range of the function.

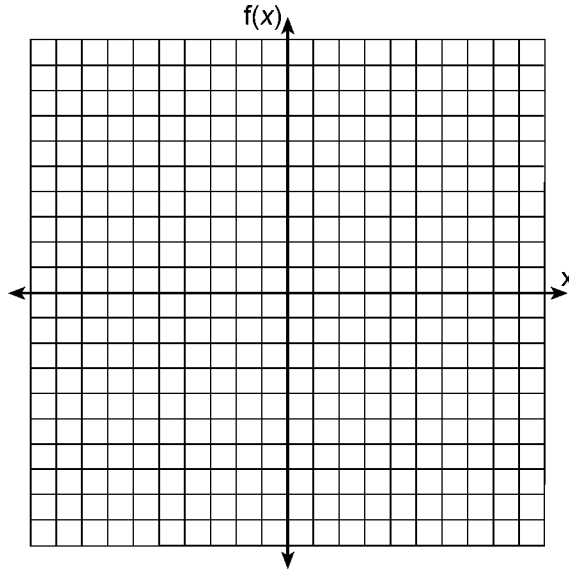
1) $f(x) = \left| -\frac{1}{2}x \right|$



Domain: _____

Range: _____

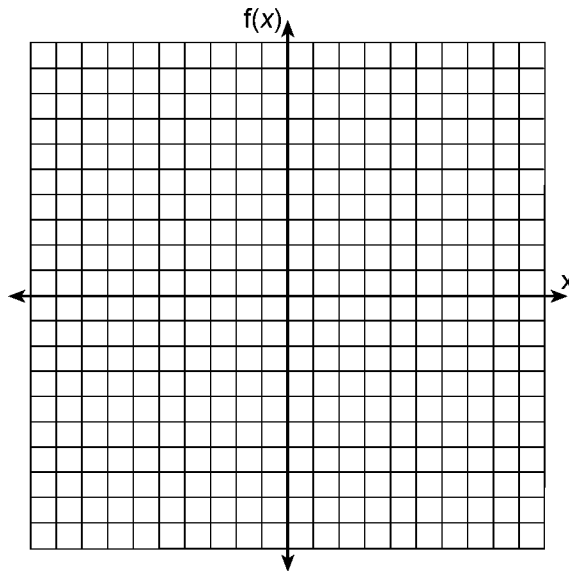
2) $f(x) = |2x + 1|$



Domain: _____

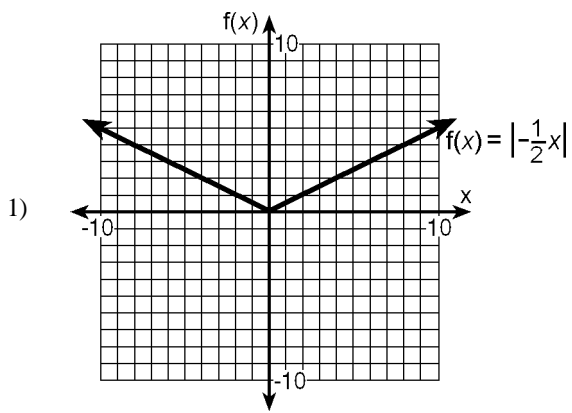
Range: _____

3) $f(x) = -|x + 1| + 3$



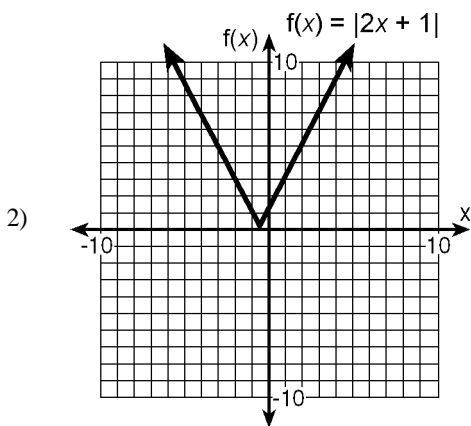
Domain: _____

Range: _____



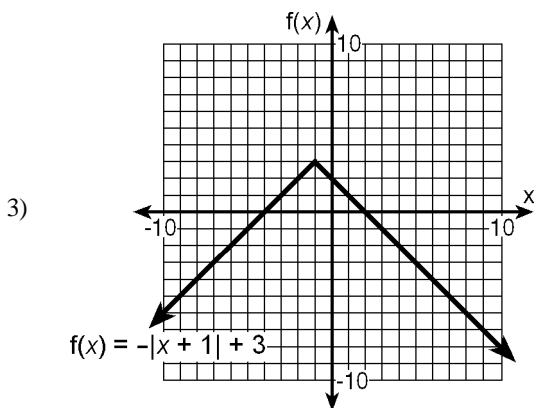
Domain: $(-\infty, \infty)$

Range: $[0, \infty)$



Domain: $(-\infty, \infty)$

Range: $[0, \infty)$



Domain: $(-\infty, \infty)$

Range: $(-\infty, 3]$