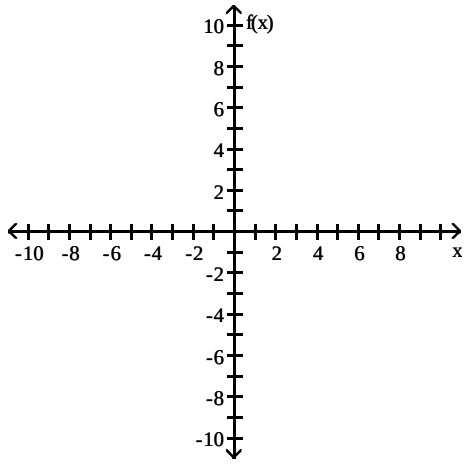
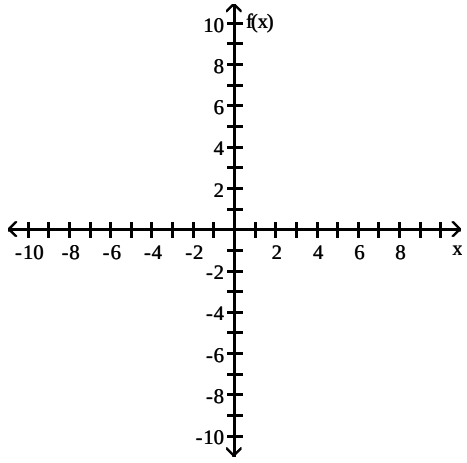
Worksheet M119 1.2 Graphing Functions Name_____

1) Sketch the graph of the function by plotting points. $f(x) = \sqrt{36 - x^2}$. Take into account the domain of the function.

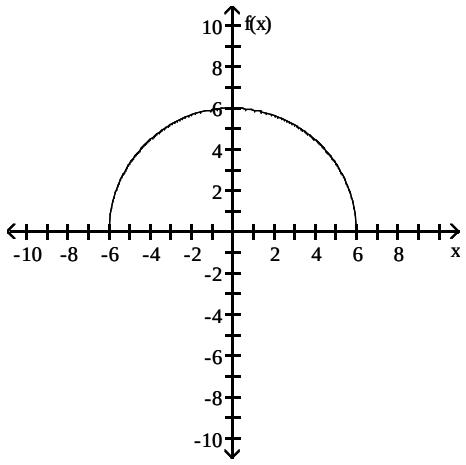


2) Sketch the graph of the function by plotting points. $f(x) = \frac{1}{x+5}$. Take into account the domain of the function.

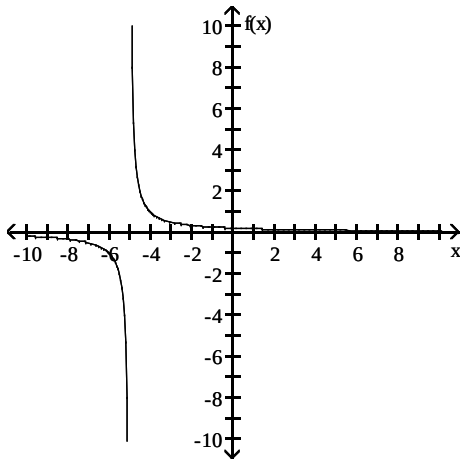


3) Solve the equation. Show work and check with graphing calculator. $\frac{z^2}{2} = \frac{z}{5} + \frac{7}{10}$

1) Domain: $[-6,6]$



2) Domain: $x \neq -5$



3) $\left\{-1, \frac{7}{5}\right\}$