

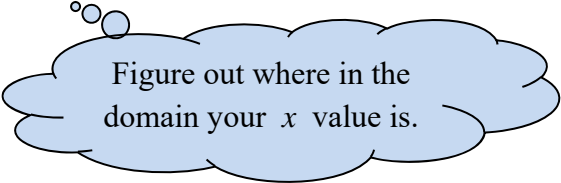
Piecewise Functions

NAME:

Please circle and label your final answers especially if there is work on the paper.

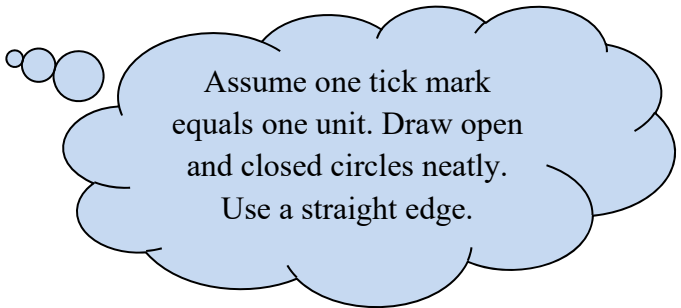
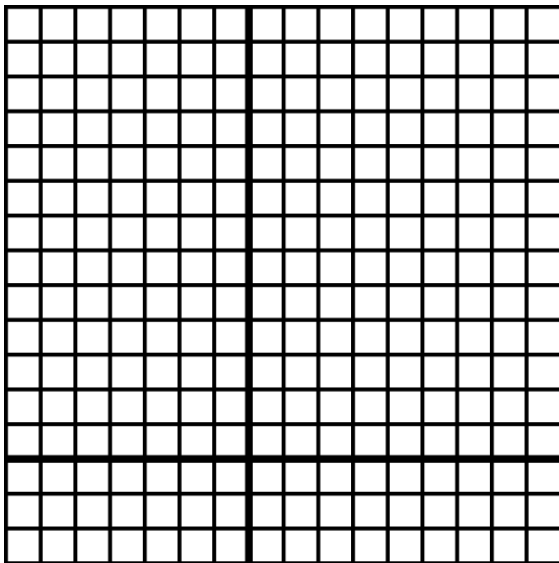
1.) For the piecewise function, find the function values $T(-10)$, $T(0)$, and $T(20)$.

$$T(x) = \begin{cases} 2x - 5, & x < 0 \\ x^2, & 0 \leq x \leq 10 \\ 10, & x > 10 \end{cases}$$



2a.) Graph the piecewise function.

$$f(x) = \begin{cases} 3x + 9, & x < 0 \\ 10, & x \geq 0 \end{cases}$$



2b.) Give this function's domain and range. Use interval notation.

domain:

range: