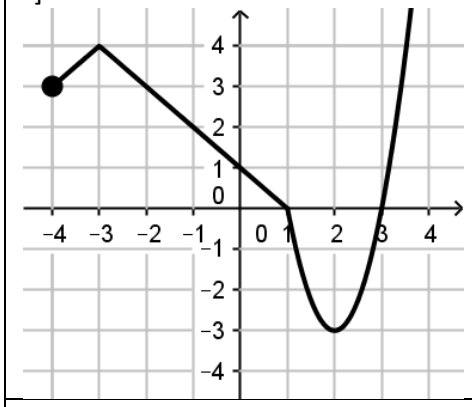
Name: Period:

First Score:	First attempt due:	Final Score:
	Final corrections due:	

Practice: Piecewise Functions

1]



Evaluate:

$f(-4) =$

$f(-3) =$

$f(-1) =$

$f(2) =$

Zeros:

y-intercept:

Domain:

Range:

Extrema:

Inc/Dec/Constant:

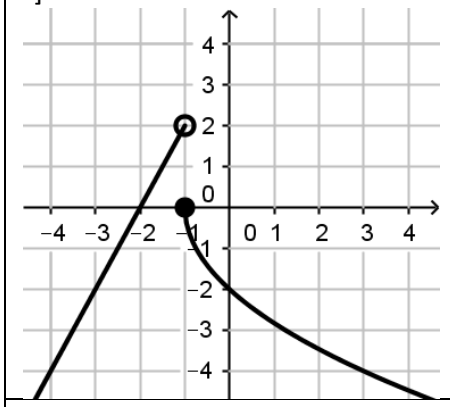
Continuity:

End Behavior:

Equation:

$$f(x) = \begin{cases} \_\_|x\_\_\_|\_\_\_, \_\_\_\_\_ \\ \_\_(x\_\_\_)^2\_\_\_, \_\_\_\_\_ \end{cases}$$

2]



Evaluate:

$f(-4) =$

$f(-3) =$

$f(-1) =$

$f(3) =$

Zeros:

y-intercept:

Domain:

Range:

Extrema:

Inc/Dec/Constant:

Continuity:

End Behavior:

Equation:

$$f(x) = \begin{cases} \_\_x\_\_\_, \_\_\_\_\_ \\ \_\_\sqrt{x}\_\_\_, \_\_\_\_\_ \end{cases}$$

3] $y = \begin{cases} x + 4, -4 < x \leq -2 \\ x^2 - 2, -2 < x \leq 2 \\ -x + 4, 2 < x < 4 \end{cases}$

Zeros (show work):

y-intercept (show work):

Evaluate:

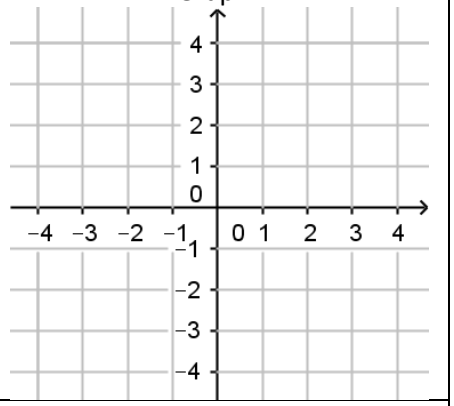
$f(-4) =$

$f(-2) =$

$f(1) =$

$f(3) =$

Graph:



Domain:

Range:

Extrema:

Inc/Dec/Constant:

Continuity:

End Behavior:

4] $y = \begin{cases} 2|x + 2| - 3, x \leq 0 \\ 1, 0 < x \leq 1 \\ \sqrt{x - 1} + 2, x > 1 \end{cases}$

Zeros (show work):

y-intercept (show work):

Evaluate:

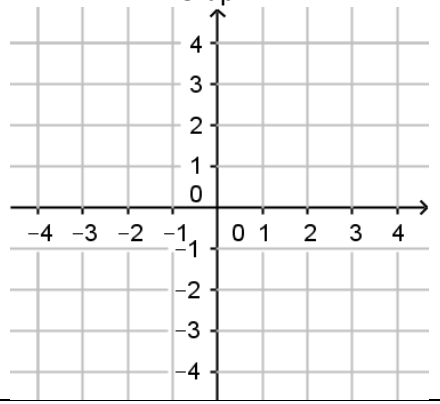
$f(-4) =$

$f(-2) =$

$f(1) =$

$f(2) =$

Graph:



Domain:

Range:

Extrema:

Inc/Dec/Constant:

Continuity:

End Behavior: