

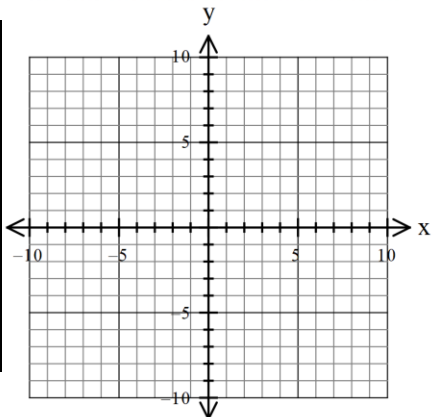
## Parent Functions #2

Name of Graph: \_\_\_\_\_

### Key Features

Equation: \_\_\_\_\_

$x$	$f(x)$



Domain:

Positive:

Range:

Negative:

$x$ -intercept(s):

Maximums /Minimums

$y$ -intercept:

Symmetry:

Increasing:

End Behavior:

Decreasing:

$$\lim_{x \rightarrow -\infty} f(x) =$$

Constant:

$$\lim_{x \rightarrow \infty} f(x) =$$

Vertex:

Transformation general equation:

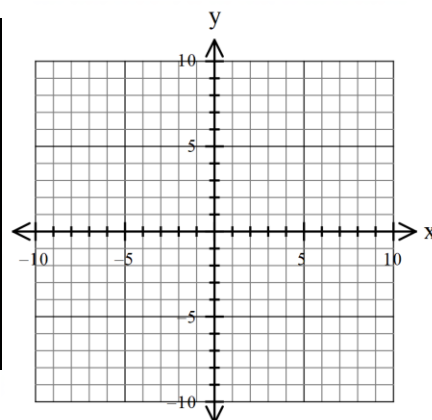
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## Steps for solving an absolute value equation:

1. Get the absolute value by itself

$$\text{EX. } -3|4x - 1| + 5 = -28$$

2. Write 2 equations if the constant is positive

- One equation with a \_\_\_\_\_ answer
- One equation with a \_\_\_\_\_ answer
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