$\qquad$
$\qquad$
$\qquad$

## Algebra 2 Trig. Vocabulary Terms



## Across

2. The relationship of two coplanar lines that don't intersect.
3. What rule states that a function's amount of real zeros is equal to its amount of sign changes?
4. This type of function comes very close to, but never touches the y or x -axis
5. If $f(-x)$ is the same as the real function then it has symmetry with what?
6. Another name for an identity function is a function.
7. A set of values which the $X$ term can equal.
8. A rational function can sometimes cross a aymptote.
9. A parabola will open up which way if it has a maximum value.
10. This can be found by finding $-\mathrm{b} / 2 \mathrm{a}$.
11. A value in front of a variable.
12. A solution that is rejected because it doesn't satisfy the equation.
13. The lowest value on a graph.

Down

1. A process by which a function is converted into another that is equivalent in some respect, but expressed and graphed differently.
2. A formula not containing an equal sign or inequality.
3. A rational function can never cross a asymptote.
4. If $f(-x)$ equals the opposite of the real function then it has symmetry with what?
5. A $\qquad$ root function cannot
contain any values outside of the first quadrant.
6. The graph of a square function is called a
7. A polynomial's greatest exponent is equal to its $\qquad$ .
8. Writing a rule with $f(x)$ instead of $y$ is called $\qquad$ notation.
9. Rise/Run
10. A number with no variable.
11. A set of values which the $Y$ term can equal.
12. The greatest value on a graph.
13. A point in a quadratic function that lies on the axis of symmetry and is the the functions maximum or minimum value.

Word Bank

| downward | Y-axis |
| :--- | :--- |
| parallel | linear |
| MInimum | Horizontal |
| Vertex | degree |
| Range | Descartes |

Constant
expression
transformation
Origin
reciprocal
parabola
function
extraneous
square
Maximum

Axis of Symmetry coefficient slope Domain Vertical

