Name:

Final Exam Checklist

Be able to:

1. estimate the location of a square root that is not a perfect square on a number line.
2. apply the exponent rules.
3. find the slope of the line between two sets of distinct points on a coordinate grid.
4. extend a linear pattern to determine future events from a graph.
5. solve two-step linear equations with variables on both sides.
6. compare functions in graph, table and equation form using rate of change and initial value.
7. determine if the relationship between two equations is infinite, no solution, or one solution.
8. determine if an equation is linear or non-linear.
9. Simplify a square root that is in fraction form.

10.)analyze a graph to determine the relationship between the variables.

11.) describe what transformation occurred to map a pre-image to an image.

12.) determine the rate of change (slope) and initial value (y-intercept) from a table.

13.) describe how a reflection would affect the coordinates of a figure.

14.) determine which calculations would be appropriate to solve a word problem and perform those operations using scientific notation.

15.) calculation the interior or exterior angle of a triangle based on angle sum relationships.

16.) determine if a number is rational or irrational.

17.) apply the Pythagorean Theorem to find the missing leg or Hypotenuse of a right triangle.

18.) find the volume of a cylinder.

19.) determine which scatterplot correlation is appropriate for a real-world situation.

20.) determine a sequence of transformations that will move a *similar* triangle onto another.

21.) draw conclusions from a two-way table.

22.) determine which function (graph, table, or equation form) has a greater rate of change (slope).

23.) state the Converse of the Pythagorean Theorem.

24.) solve a system of linear equations with one solution to find the point of intersection.

25.) find the equation for the line of best fit for a scatterplot.

26.) use the Pythagorean Theorem to find the length of a non-vertical or horizontal line on a coordinate grid.

27.) perform operations with scientific notation.