

1. What are the steps to clear your calculator? _____, _____, _____, _____, _____, _____.

2. Slope Formula: _____

a. Slope is also known as _____ of _____.

b. Slope Intercept Form: _____

c. $b =$ _____

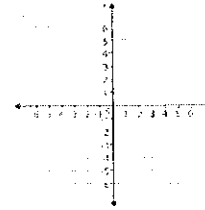
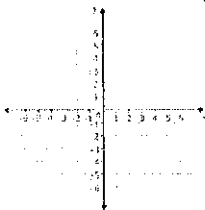
d. $m =$ _____

e. Slope means _____ (2 words) – used to graph

f. **MUST ALWAYS BE IN THE FORM OF:** _____

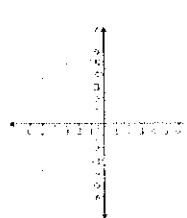
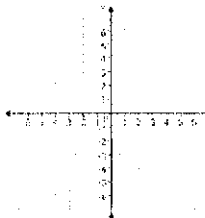
g. Draw an example of a negative slope.

i. Draw an example of a zero slope.



h. Draw an example of a positive slope.

j. Draw an example of an undefined slope.



3. Rational vs. Irrational

a. Rational: makes a _____; the decimal must _____ or _____

i. Give two examples of a rational number _____ and _____.

b. Irrational: does not make a _____; the decimal goes on _____; there is no _____; as an example, think of _____

i. Give two examples of an irrational number _____ and _____.

4. Pythagorean Theorem: can ONLY used with _____ triangles.

a. The largest side is the _____, which is across from the _____ angle.

b. The formula: _____

c. Can also be used if asked to find the _____ of a square or rectangle.

5. Functions

For a set of numbers to be a function, the _____ value can not repeat.

When using the vertical line test, the pencil must only touch the graph _____ time.

Domain is the _____ values and called the _____ variables.

Range is the _____ values and called the _____ variables.

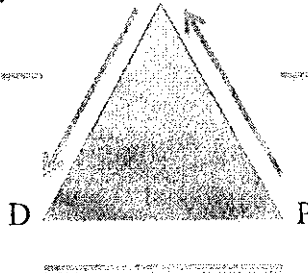
6. Linear means _____ and an example of an EQUATION would be _____.

Nonlinear means _____ and an example of an EQUATION would be _____.

7. Systems of equations (___ equations)

- a. Can use _____ or _____.
- b. If lines cross, there is _____ solution. (Which is where they _____)
- c. If parallel line, there is _____ solution.
- d. If the same line, there are _____ solutions.
- e. Graphing Calculator Steps: _____, _____, _____, _____, _____, _____.

8. Fraction, Decimal, and Percent Triangle:



10. Repeating Decimals to Fractions:

- a. Write the numbers that are _____ in the numerator (_____).
- b. Place _____'s in the denominator (bottom). **The number of _____'s depends on the number of digits repeating.
- c. _____ your fraction.

11. Mixed Numbers to Improper Fractions:

- a) _____ b) _____ c) _____

12. Circles

- a. Area: _____
- b. Circumference: If given the diameter use _____ or if given the radius, use _____.
- c. The _____ goes completely across the circle.
- d. The _____ goes half way across the circle.

13. Geometry

- a. Area
 - i. Triangles: _____
 - ii. Rectangles/Squares: _____
- b. Volume: the _____ of the container
 - i. Rectangular Prisms: _____
 - ii. Cube: _____
 - iii. Cylinders: _____
 - iv. Cones: _____
 - v. Spheres: _____
 - vi. Hemispheres: _____

14. Dilation

- a. When you see the words dilation or scale factor, you should _____ the scale factor by each _____.
- b. If the scale factor is less than one, the diagram is _____.
- c. If the scale factor is greater than one, the diagram is _____.

15. Scatter Plots

- a. Positive Correlation: goes _____ from left to right.
- b. Negative Correlation: goes _____ from left to right.
- c. No Correlation: are not in a _____ (the points are just _____)
- d. The line that can be drawn between the dots is called the _____ of _____.
or _____ line.