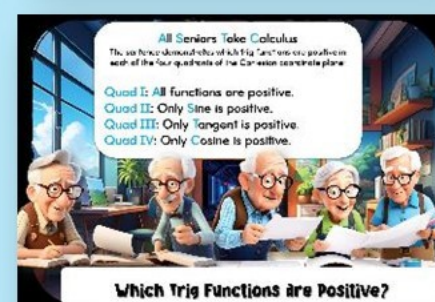


MATHEMATIC MNEMONIC POSTERS



S.O.L.V.E.

- Study the problem.
- Organize the facts.
- Line up the plan.
- Verify the plan with computation.
- Examine the answer.

SAMPLE PAGE

Solving Word Problems

STAR

Search the word problem.

Translate the words into an equation.

Answer the problem.

Review the solution.

SAMPLE PAGE

Word-Problem Solving Strategy

Kilo, Hecto, Deca, Units, Deci, Centi, Milli
King Hector Doesn't Usually Drink Cold Milk.

SAMPLE PAGE

Metric Units of Measure in Order

Please Excuse My Dear Aunt Sally

- Parentheses
- Exponents
- Multiplication/Division (left to right)
- Addition/Subtraction (left to right).

SAMPLE PAGE

The order of mathematical operations





Bigger Bottom? Better Borrow!

71-
28

SAMPLE PAGE

Borrowing in Subtraction

Which means greater than?

Which means less than?

How can you tell?

The alligator has to open its mouth wider for the larger number.

25 **SAMPLE PAGE** 75



Borrowing in Subtraction

Circumference of a Circle
Cherry **Pi** Delicious!
 $C = \pi \text{ diameter}$



Circumference of a Circle

Can Fred multiply?

Change the division to multiplication.

Flip the second fraction.

Multiply.

SAMPLE PAGE

DIVIDING FRACTIONS

42



F.O.I.L.

First
Outer
Inner
Last

SAMPLE PAGE

Factoring Binomials

All Seniors Take Calculus

The sentence demonstrates which trig functions are positive in each of the four quadrants of the Cartesian coordinate plane:

Quad I: All functions are positive.

Quad II: Only Sine is positive.

Quad III: Only Tangent is positive.

Quad IV: Only Cosine is positive.

SAMPLE PAGE

Which Trig Functions are Positive?

Silly Old Harry Carried A Horse To Our Apartment.

SOH: Sine = Opposite leg divided by the Hypotenuse.

CAH: Cosine = Adjacent leg divided by the Hypotenuse.

TOA: Tangent = Opposite leg divided by the Adjacent leg.

SAMPLE PAGE

Find the Measures of Angles in Right Triangles