

Equation Expedition

Solution

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The first column of numbers corresponds to the variable x , the second to y , and the third to z . Only one equation will result in a integer between zero and nine for each set of numbers. The equations in the order of the numbers are:

$$\frac{2+4^2}{9}$$

$$\binom{2 \cdot 2}{1}$$

$$8 + 4! - 5^2$$

$$\frac{\sqrt{6^2+8^2}}{5}$$

$$\sqrt{3 \cdot 9 + 8 - 5 \cdot 2}$$

$$\frac{5+7}{4}$$

The equations result in the following numbers: 2 4 7 2 5 3. Using the clue in the Bryan's notes, matching the numbers to the letters on a telephone pad, the word spelled out is **CIRCLE**.