Name:_____   Class #:_____

1.   What do you remember about the equation for a line? Please talk with your group and come up with as
      much as possible

2.   How do you read the following statement: $|x|$. What does this notation mean?

3.   How do you read the following statement: x^2. What does this notation mean?

4.   What does the word "ratio" mean? Can you give an example of a ratio of two numbers?

5.   Explain power notation: x^n

6.   How do you read the following statement: $\sqrt[2]{x}$. What does this notation mean?

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In this class, we will focus on our energy on learning techniques to solve algebraic equations. We will focus on six major types of equations. Using the work you did on questions $1-6$, try to match the given algebraic statements with the proper names for these statements.

Linear equation_____   A. $2x^2 + x = 14 - x^2$

Quadratic equation_____   B. $\frac{x+1}{x+2} + \frac{x}{x-2} + 1 = \frac{8}{x^2-4}$
(Hint: in Spanish, the word Cuadro means square)

Absolute value equation_____   C. $2x^3 - 4 = 20 - x^3$

Rational equation_____   D. $\sqrt[2]{x-1} + 3 = x$

Power equation_____   E. $x^2 + 6x + 9$

Radical equation_____   F. $3x + 2 = \frac{1}{2}x - 4$

Algebraic expression_____   G. $2 \cdot |2x - 1| - 4 = 8$