

Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

11. \* The expression  $\left[ \frac{3x^2+81}{2(x^2-3x+9)} \right]^2$  is equivalent to:

- A.  $\frac{81(x+3)^2}{16}$       B.  $\frac{(x^2+27)^2}{16}$       C.  $\frac{81}{16}$       D.  $\frac{81}{16(x-3)^2}$

12. \* The expression:  $\frac{3x^2-8x+5}{x^2-1} \cdot \frac{x+1}{2(x-2)} \div \frac{3x^2+x-10}{x^2-4}$  is equal to:

- A.  $\frac{1}{2}$       B.  $\frac{1}{4}$       C. 4      D. 2

13. \* The expression  $\frac{2x^2+2xy+2y^2}{x^2-y^2} \cdot \frac{2x+2y}{y^2-x^2}$  is equivalent to:

- A. 0      B.  $\frac{4}{y-x}$       C. 4      D.  $\frac{4}{x-y}$

14. \* Simplify the expression  $\frac{x^3-x^2-x+1}{x^2-2x^2+1}$ 

- A.  $\frac{1}{x-1}$       B.  $\frac{1}{x+1}$       C.  $\frac{x+1}{x^2+1}$       D.  $\frac{x-1}{x^2+1}$

15. \* The expression  $\frac{x^2+2ax+a^2}{2a^2} \cdot \left( \frac{a}{x-a} - \frac{a}{x+a} \right)$  is equivalent to:

- A.  $\frac{x^2}{x+a}$       B.  $\frac{x+a}{a-x}$       C.  $\frac{x+a}{x-a}$       D.  $\frac{ax}{a-x}$

16. \* Evaluate  $\frac{1}{3+x} - \frac{2x-1}{x} + \frac{6x-3}{x^2+x}$  when  $x=-4$ :

- A. 0      B. 2      C. 4      D. -2

# Multiple Choice Rational Expressions

**Christina Pawlowski-Polanish**

A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the author's name.

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## Reviewing **Multiple Choice Rational Expressions**: Unlocking the Spellbinding Force of Linguistics

In a fast-paced world fueled by information and interconnectivity, the spellbinding force of linguistics has acquired newfound prominence. Its capacity to evoke emotions, stimulate contemplation, and stimulate metamorphosis is truly astonishing. Within the pages of "**Multiple Choice Rational Expressions**," an enthralling opus penned by a very acclaimed wordsmith, readers embark on an immersive expedition to unravel the intricate significance of language and its indelible imprint on our lives. Throughout this assessment, we shall delve to the book is central motifs, appraise its distinctive narrative style, and gauge its overarching influence on the minds of its readers.

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