

Evaluating Rational Expressions Worksheet

So, Do We Like Rational Expressions? Yay or Nay?

Evaluate the following rational expressions.

1. $\frac{x^4-6x^3+2x^2+9}{x^2+3x-9}$ at $x = 0$

6. $\frac{x^3-4x^2+2x+3}{x^2+4x}$ at $x = 0$

2. $\frac{x^4-6x^3+2x^2+9}{x^2+3x-9}$ at $x = -1$

7. $\frac{x^3-4x^2+2x+3}{x^2+4x}$ at $x = 1$

3. $\frac{x^4-6x^3+2x^2+9}{x^2+3x-9}$ at $x = 1$

8. $\frac{x^3-4x^2+2x+3}{x^2+4x}$ at $x = 2$

4. $\frac{x^4-6x^3+2x^2+9}{x^2+3x-9}$ at $x = 2$

9. $\frac{x^3-4x^2+2x+3}{x^2+4x}$ at $x = -1$

5. $\frac{x^4-6x^3+2x^2+9}{x^2+3x-9}$ at $x = -3$

10. $\frac{x^3-4x^2+2x+3}{x^2+4x}$ at $x = 4$

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