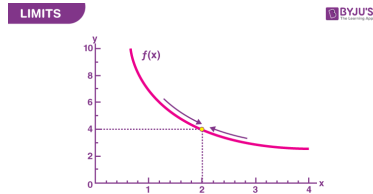**Notations:**

Figure 1: This is a visual of Limit

1. The Equation is $y = \frac{x}{3x^2 - 2x + 3}$.

2. The Mathematical Notation for the set of all Real Numbers is: $\mathbb{R}$

3. The Mathematical Notation for the set of Integers is: $\mathbb{Z}$

4. The Mathematical Notation for the set of Rational Numbers is: $\mathbb{Q}$

5. The Equation is $y = \frac{x}{3x^2 - 2x + 3}$.