Rational Equations

Linear

Variable Denominator

1. $\dfrac{2x + 5}{x} = 9$

2. $\dfrac{6 + x}{x - 1} = 2$

3. $\dfrac{6}{x - 2} - 2 = 1$

4. $\dfrac{4k - 6}{3k - 9} = 3$

5. $10 = 2 - \dfrac{3 - x}{x}$

6. $\dfrac{4k - 10}{k} = 8$

7. $-\dfrac{10}{2t + 8} = 10$

8. $\dfrac{9 - x}{x + 3} = 4$

9. $\dfrac{9x}{x - 8} = 5$

10. $\dfrac{x - 4}{x + 2} = 3$

Answers

Rational Equations

Linear

Variable Denominator

1. $x = \dfrac{5}{7}$

2. $x = 8$

3. $x = 4$

4. $k = \dfrac{21}{5}$

5. $x = -\dfrac{3}{7}$

6. $k = -\dfrac{5}{2}$

7. $t = -\dfrac{9}{2}$

8. $x = -\dfrac{3}{5}$

9. $x = -10$

10. $x = -5$