Advanced Functions

Rational

Rational Domain

1. $domain \ \dfrac{1}{x}$

2. $domain \ \dfrac{1}{x^2}$

3. $domain \ \dfrac{x}{x+1}$

4. $domain \ \dfrac{1}{1+x^2}$

5. $domain \ \dfrac{2}{x}$

6. $domain \ \dfrac{3}{x^2}$

7. $domain \ \dfrac{1}{x^3}$

8. $domain \ \dfrac{x+2}{x-1}$

9. $domain \ \dfrac{x^2}{x^2+1}$

10. $domain \ \dfrac{1}{x-3}$

Answers

Advanced Functions

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Rational Domain

1. $x < 0 \quad$ or $\quad x > 0$

2. $x < 0 \quad$ or $\quad x > 0$

3. $x < -1 \quad$ or $\quad x > -1$

4. $-\infty < x < \infty$

5. $x < 0 \quad$ or $\quad x > 0$

6. $x < 0 \quad$ or $\quad x > 0$

7. $x < 0 \quad$ or $\quad x > 0$

8. $x < 1 \quad$ or $\quad x > 1$

9. $-\infty < x < \infty$

10. $x < 3 \quad$ or $\quad x > 3$